

**FIGURE 1**

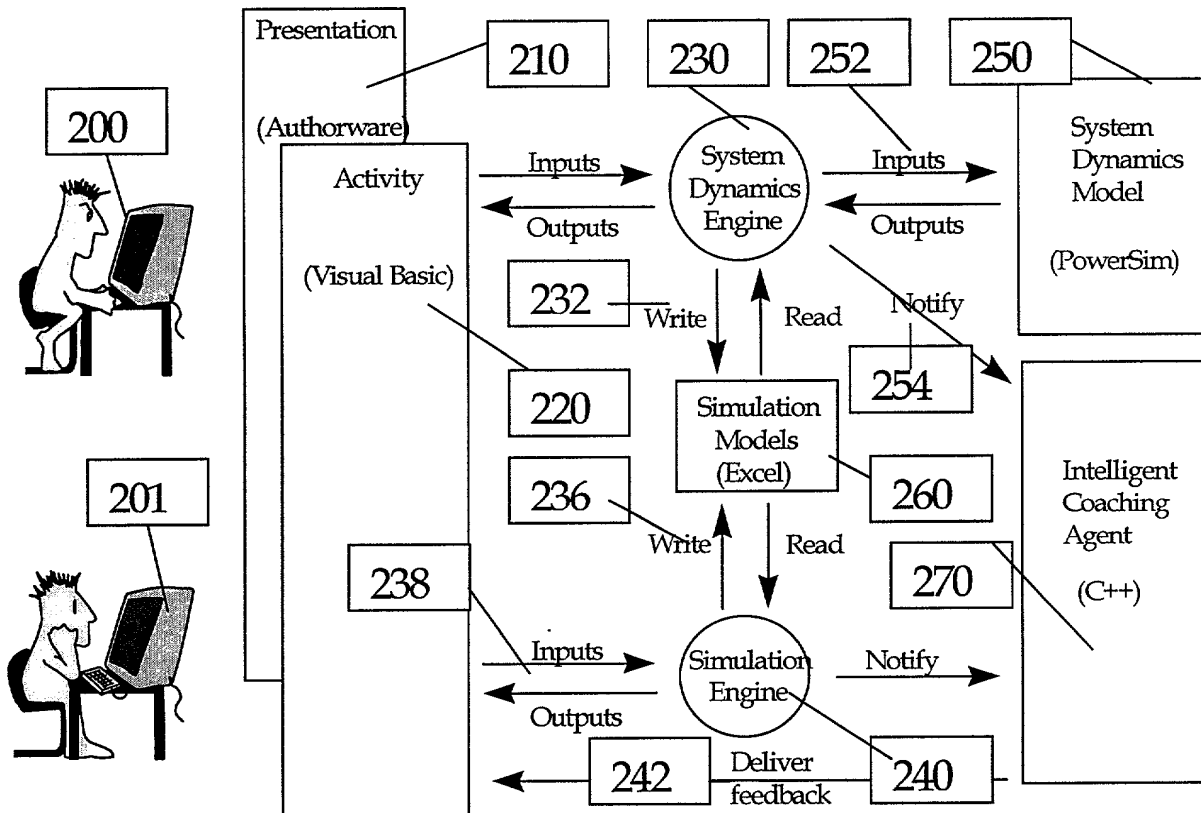


FIGURE 2

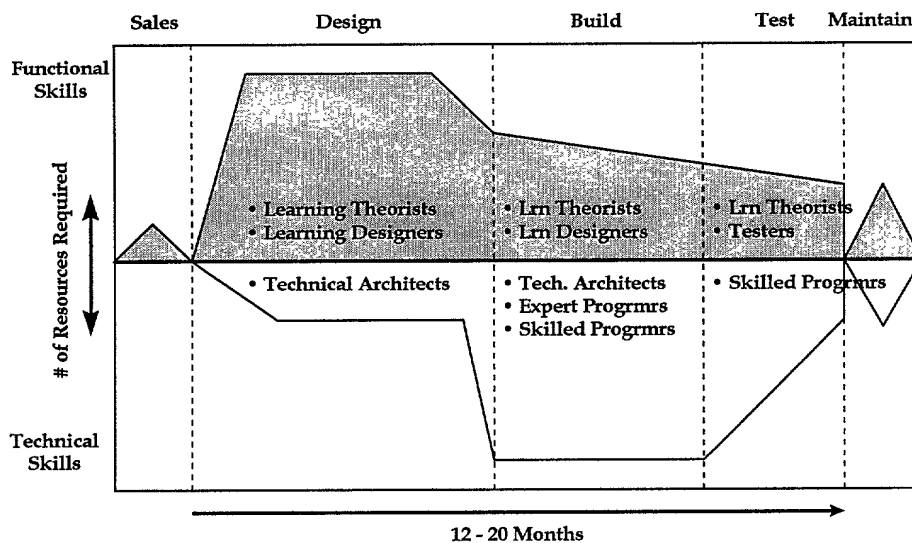


FIGURE 3

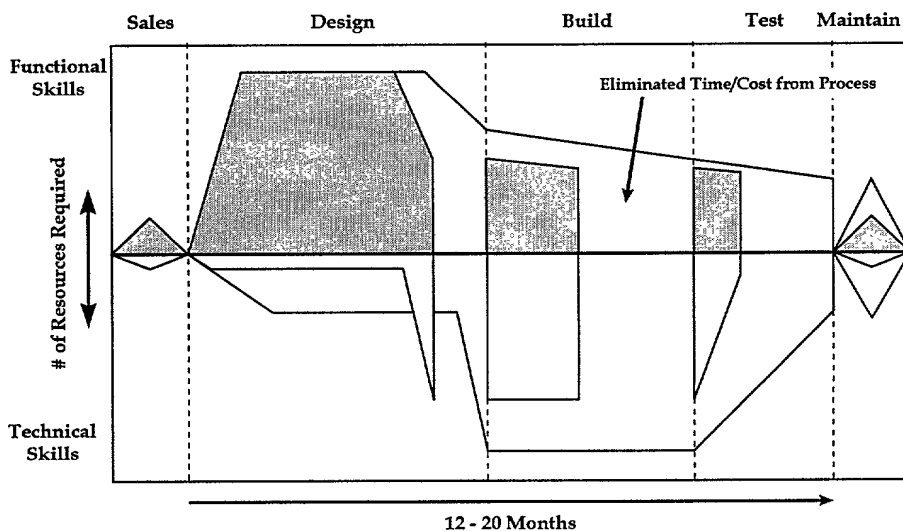


FIGURE 4

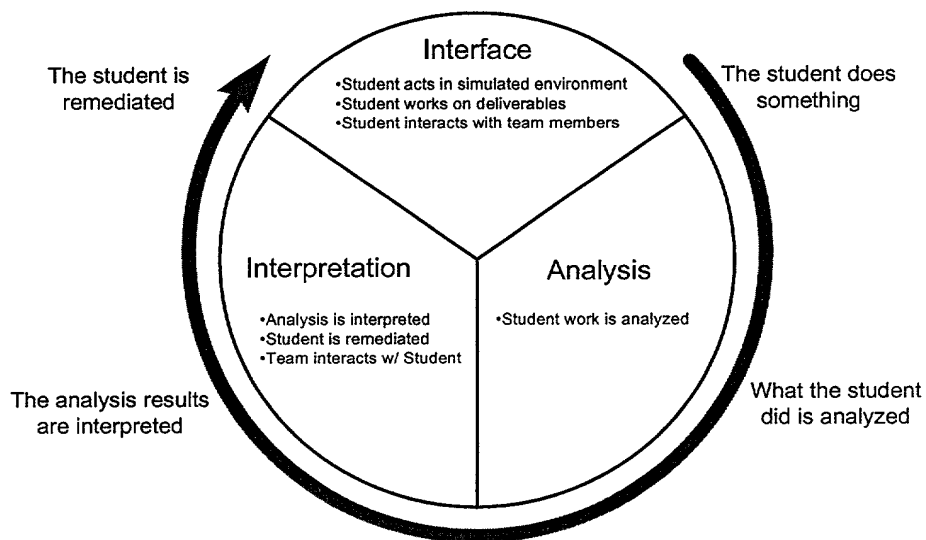


FIGURE 5

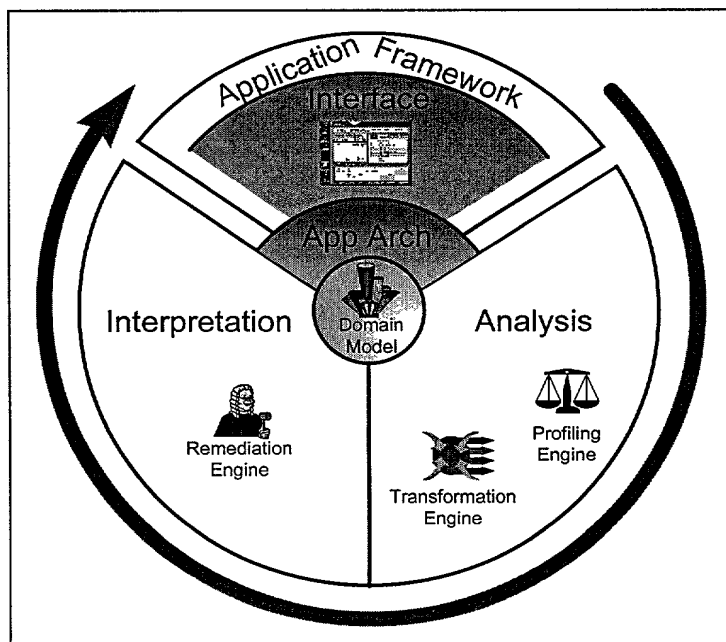


FIGURE 6

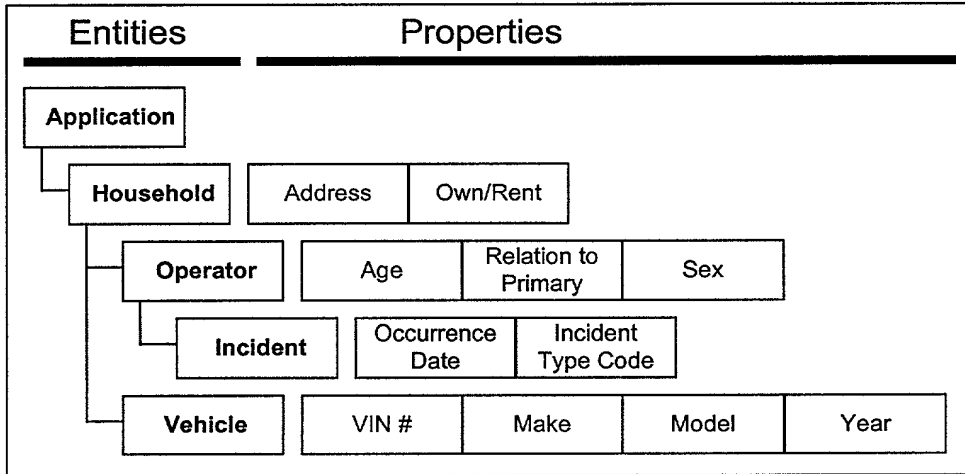


FIGURE 7

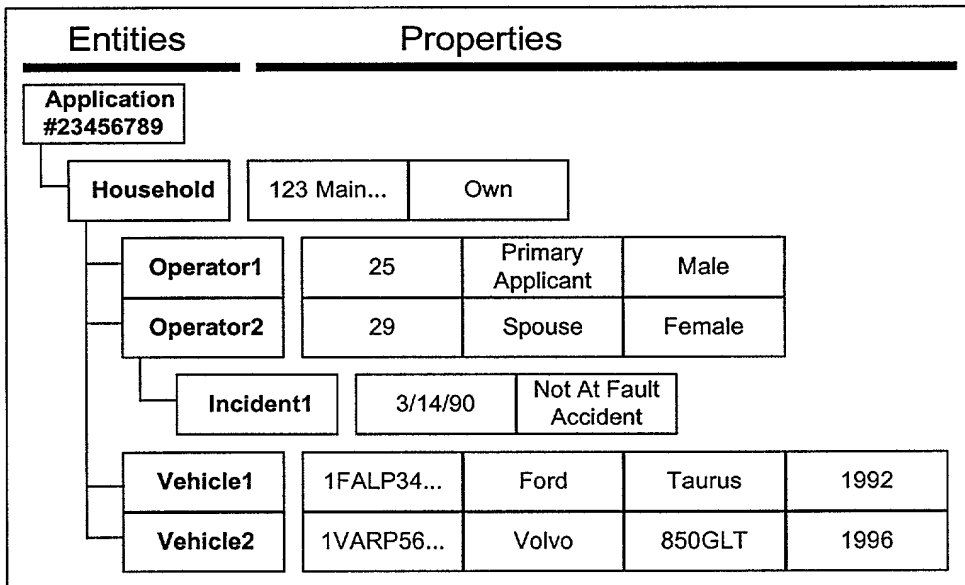


FIGURE 8

The diagram illustrates the architecture of the Transformation Component. It consists of several nested layers:

- Transformation Component**: The outermost layer, which receives inputs from the **From Domain Component (Inputs)** and sends outputs to the **To Domain Component (Outputs)**.
- Modeling Engines**: A layer nested within the Transformation Component.
- Custom VB Algorithm**: A layer nested within the Modeling Engines.
- Custom DLL Algorithm**: A layer nested within the Custom VB Algorithm.
- Real Time System Modeling**: A layer nested within the Custom DLL Algorithm.
- Spreadsheet**: The innermost layer, nested within the Real Time System Modeling.

The flow of data is indicated by arrows: inputs enter from the left, pass through the nested layers, and outputs exit to the right.

FIGURE 10

Exit

Record Transactions

Journalize

➔

Prepare for Meeting

Review each invoice, and create the proper journal entry by dragging the appropriate accounts from the account list to the Journal.

Internal Document

Date: 01/02

Description:

Amount:

Start-up investment in E-Bikes from E-Corporate.

*Received in Cash*

Total:

\$210,000.00

Assets

Liabilities & Equity

Revenues

Expenses

510	Cost of Goods Sold
513	Direct Material Variance
515	Cash Discounts Earned
571	Imputed Interest Expense
580	Other Financial Charges
970	Interest Expense
980	US Federal Income Taxes
8100	Salaries and Wages Expense
8200	Payroll Allowances
8300	Employee Benefits

Back
1 of 22
Next

Date	Ent.#	Accounts	Journal - Y1	DR	CR
1/31	1				

FIGURE 11

1200

1210

Exit

Timeline

Glossary

How What

Assignment

Team

Accounting Concepts

Record Transactions
Journalize → Prepare for Meeting

Review each invoice, and create the proper journal entry by dragging the appropriate accounts from the account list to the Journal.

**E Bikes**

*Internal Document*

Date: 01/02

Description:

Amount:

Start-up investment in E-Bikes from E-Corporate.

*Received in Cash*

\$210,000.00

Total:

\$210,000.00

Assets
Liabilities & Equity
Revenues
Expenses

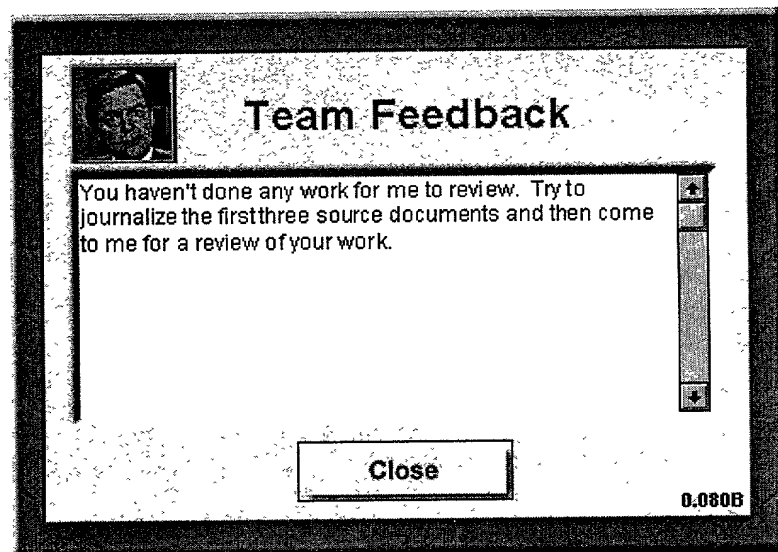
510	Cost of Goods Sold
513	Direct Material Variance
515	Cash Discounts Earned
571	Imputed Interest Expense
580	Other Financial Charges
970	Interest Expense
980	US Federal Income Taxes
8100	Salaries and Wages Expense
8200	Payroll Allowances
8300	Employee Benefits

Back
1 of 22
Next

Date	Ent.#	Accounts	Journal - Y1	DR	CR
1/31	1				

Figure 12






**Figure 13**

102280"4264E660

Review each invoice, and create the proper journal entry by dragging the appropriate accounts from the account list to the Journal.


**E Bikes**

*Internal Document*

Date: 01/02

Description:	Amount:
Start-up investment in E-Bikes from E-Corporate.	
<i>Received in Cash</i>	\$210,000.00
<b>Total:</b>	<b>\$210,000.00</b>

Assets

Liabilities & Equity

Revenues

Expenses

610 Cost of Goods Sold

613 Direct Material Variance

515 Cash Discounts Earned

571 Imputed Interest Expense

580 Other Financial Charges

970 Interest Expense

980 US Federal Income Taxes

8100 Salaries and Wages Expense

8200 Payroll Allowances

8300 Employee Benefits

Back 1 of 22 Next

Date	Ent.#	Accounts	Journal - Y1	DR	CR
1/31	1	471	Paid-in Capital	\$210,000.00	
		10	Cash		\$210,000.00

Figure 14

102280-12642660

Review each invoice, and create the proper journal entry by dragging the appropriate accounts from the account list to the Journal.

**BC**

**Blue Chip Securities**  
Settlement Invoice

**Date:** 01/02      **Inv.#:** 6578-31

**Description:**  
\$150,000.00 Government Bonds      \$150,000.00  
  
Note from management:  
We won't use the entire  
\$210,000.00 we got from  
Corporate this month, so  
we purchased these  
bonds so we can earn  
some interest.  
  
**Total:** \$150,000.00

Assets

**Liabilities & Equity**

Revenues

Expenses

379 Payroll Taxes Accrued

380 Employee Benefit Cost Accrued

381 Other Taxes Accrued

391 Accrued Expenses

401 Deferred Income

419 Reserve for Sundry Losses

421 Reserve for Replacement

462 Foreign Currency Translation Adj

471 Paid-in Capital

481 Retained Earnings 1/1

Back      2 of 22      Next

Date	Ent.#	Accounts	Journal - Y1	DR	CR
1/31	2	30	Accounts Receivable	\$150,000.00	
		10	Cash		\$150,000.00

Figure 15

Review each invoice, and create the proper journal entry by dragging the appropriate accounts from the account list to the Journal.

**Bell Phone Company**

*Paid in Cash*

Account Number: 001362  
 Invoice Number: 5438169  
 Invoice Date: 01/24  
 Amount Due: \$700.00

--- Please detach and return this portion ---  
 with your payment

*Summary of Charges*

Phone Bill: \$660.37  
 Tax: \$39.63  
 Total Amount Due: \$700.00


Assets   **Liabilities & Equity**   Revenues   Expenses

379	Payroll Taxes Accrued
380	Employee Benefit Cost Accrued
381	Other Taxes Accrued
391	Accrued Expenses
401	Deferred Income
419	Reserve for Sundry Losses
421	Reserve for Replacement
462	Foreign Currency Translation Adj
471	Paid-in Capital
481	Retained Earnings 1/1

Back   3 of 22   Next

Date	Ent.#	Accounts	Journal - Y1	DR	CR
1/31	3	8506	Utilities Expense	\$700.00	
		10	Cash		\$700.00

Figure 16

 **Team Feedback**

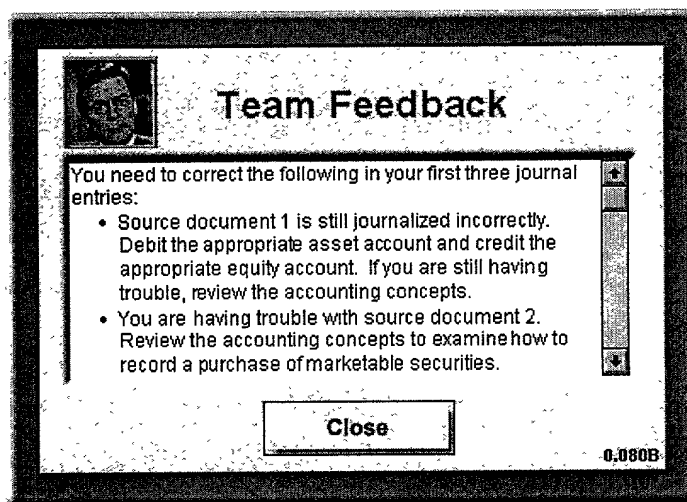
In looking at your first three journal entries:

- Source document 1 is journalized incorrectly. Consider what accounts are affected when cash is received by the business.
- You have incorrectly journalized source document 2. Take another look at the transaction details.
- You have correctly recognized source document 3 as an expense. However, you need to select a different expense account for your entry.

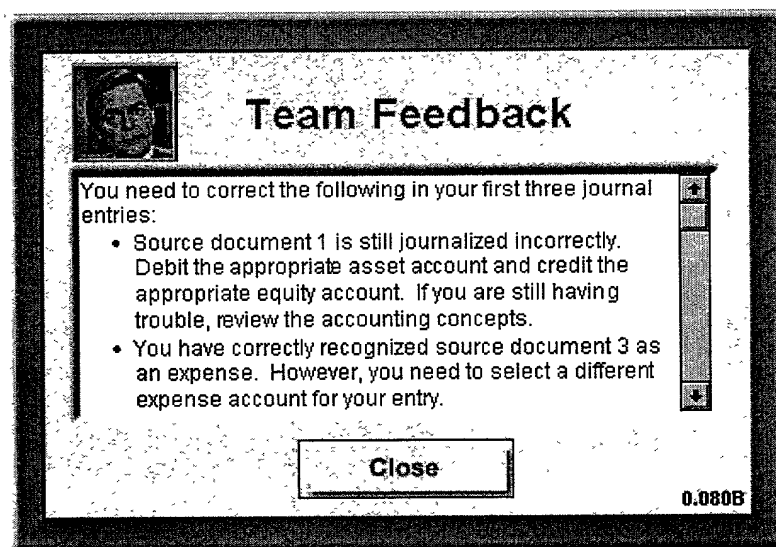
Close

0.080B

Figure 17



**Figure 18**



**Figure 19**

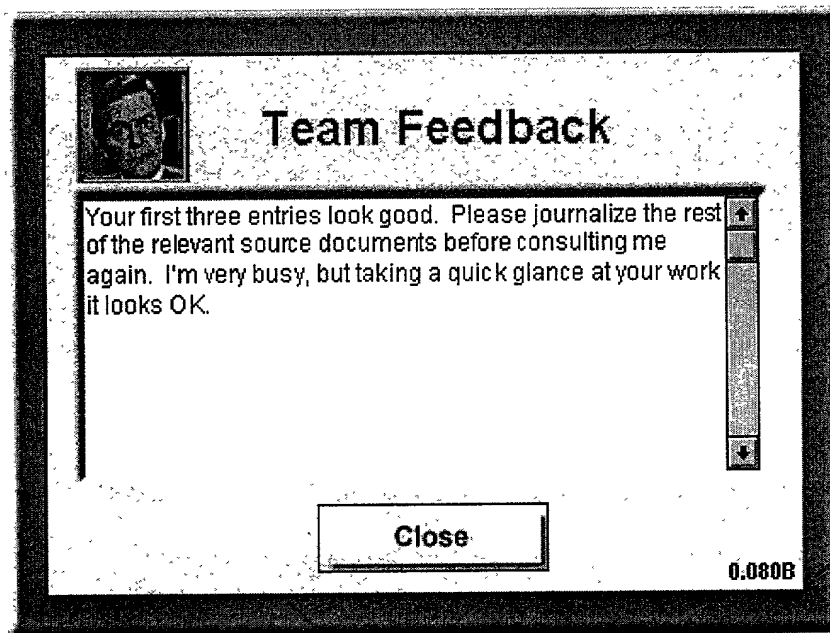


Figure 20

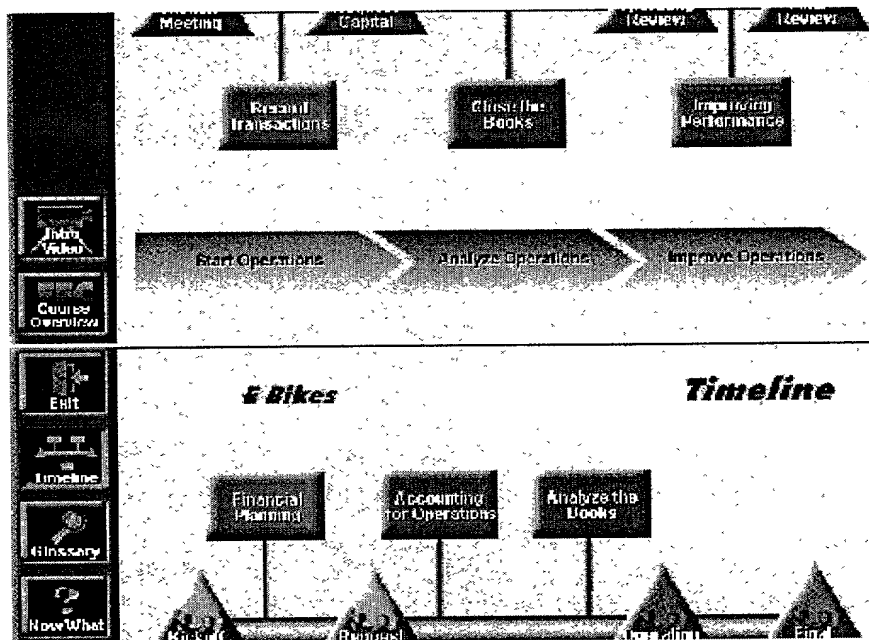


Figure 21

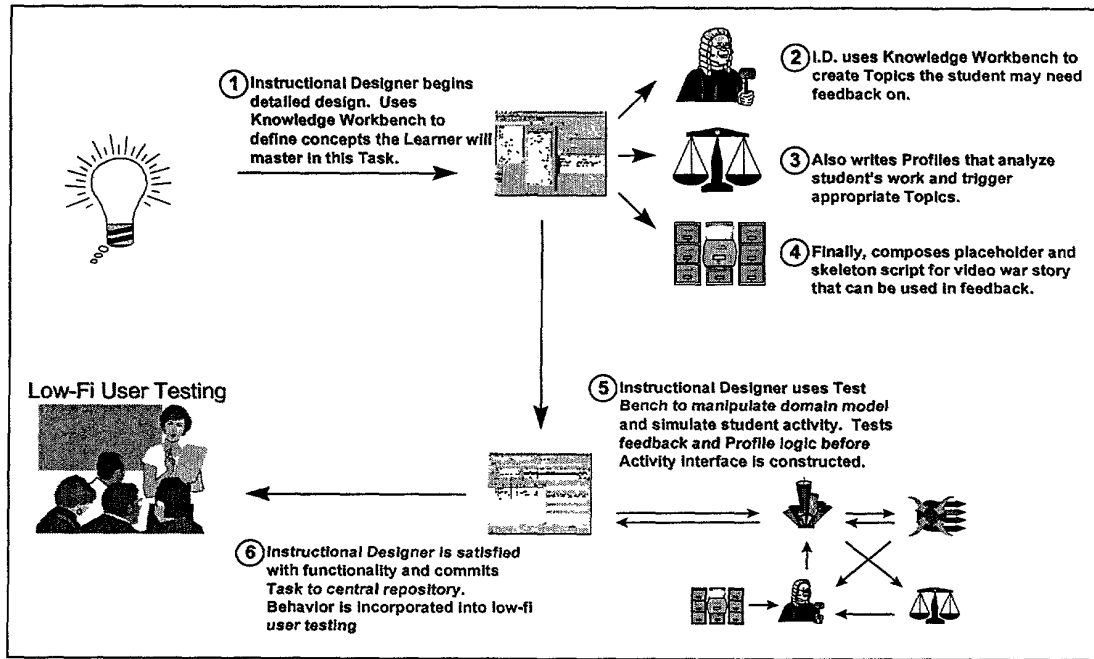


FIGURE 22

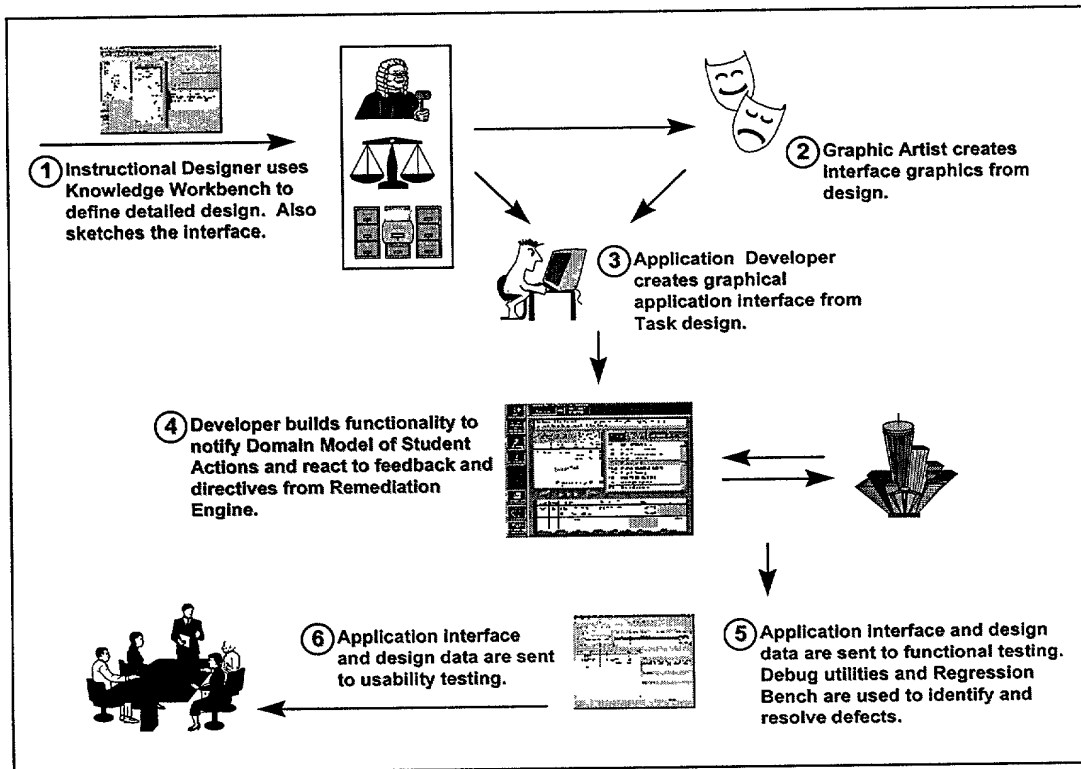


FIGURE 23



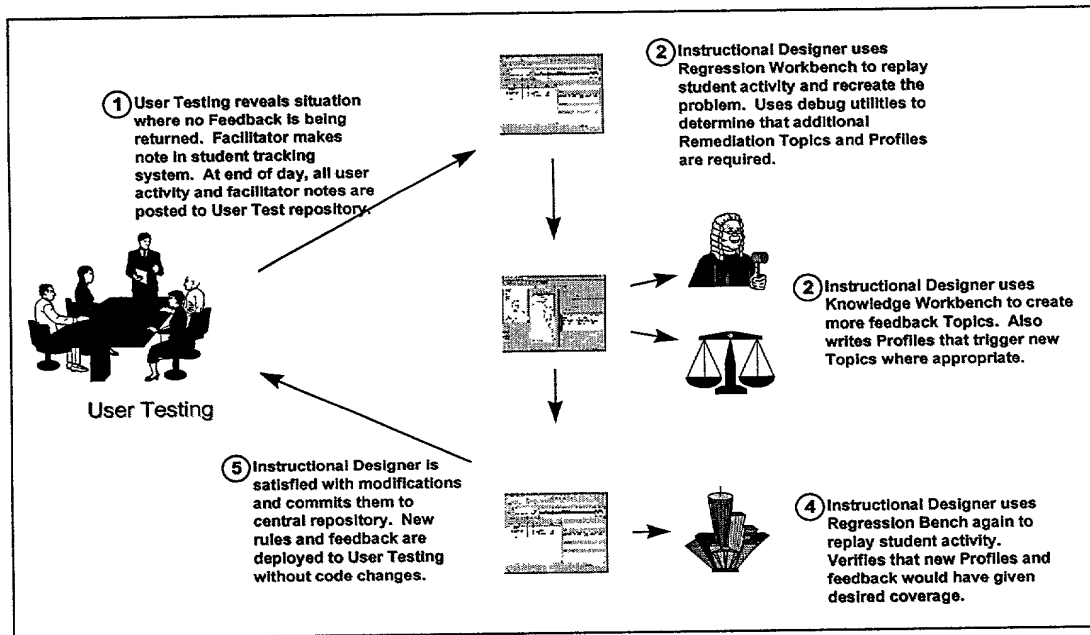
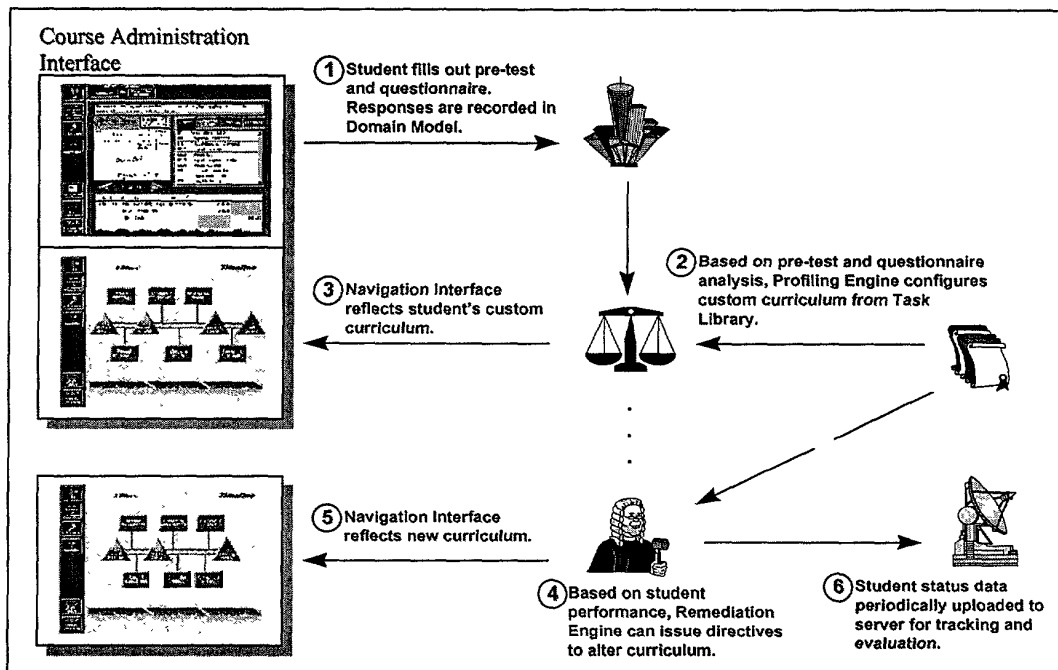


FIGURE 24



**FIGURE 25**

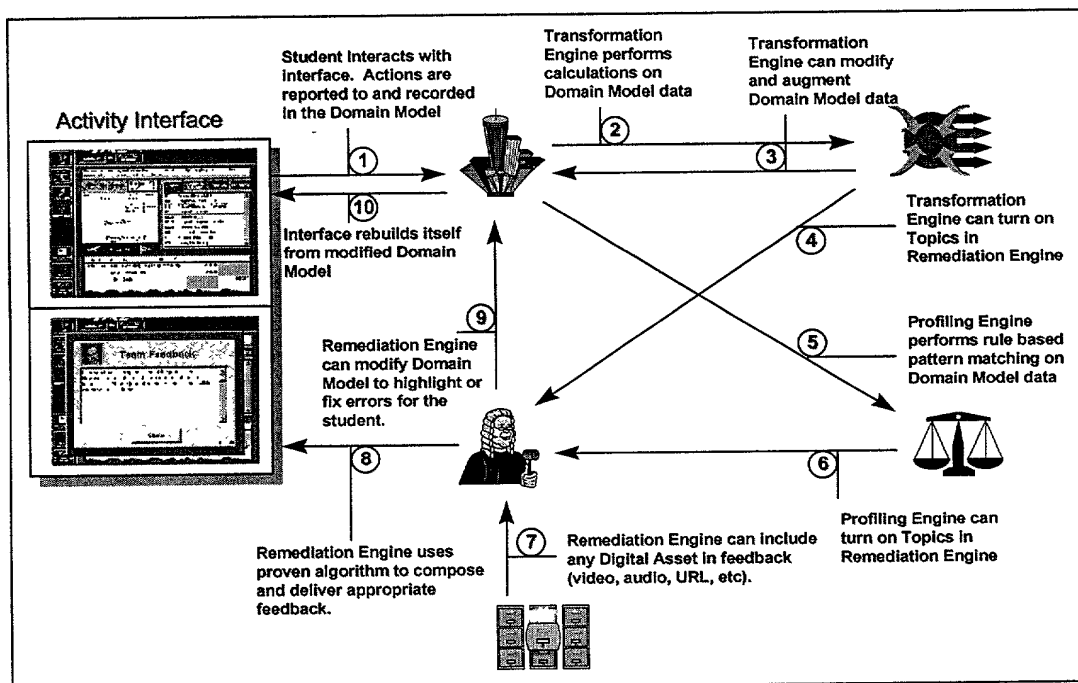
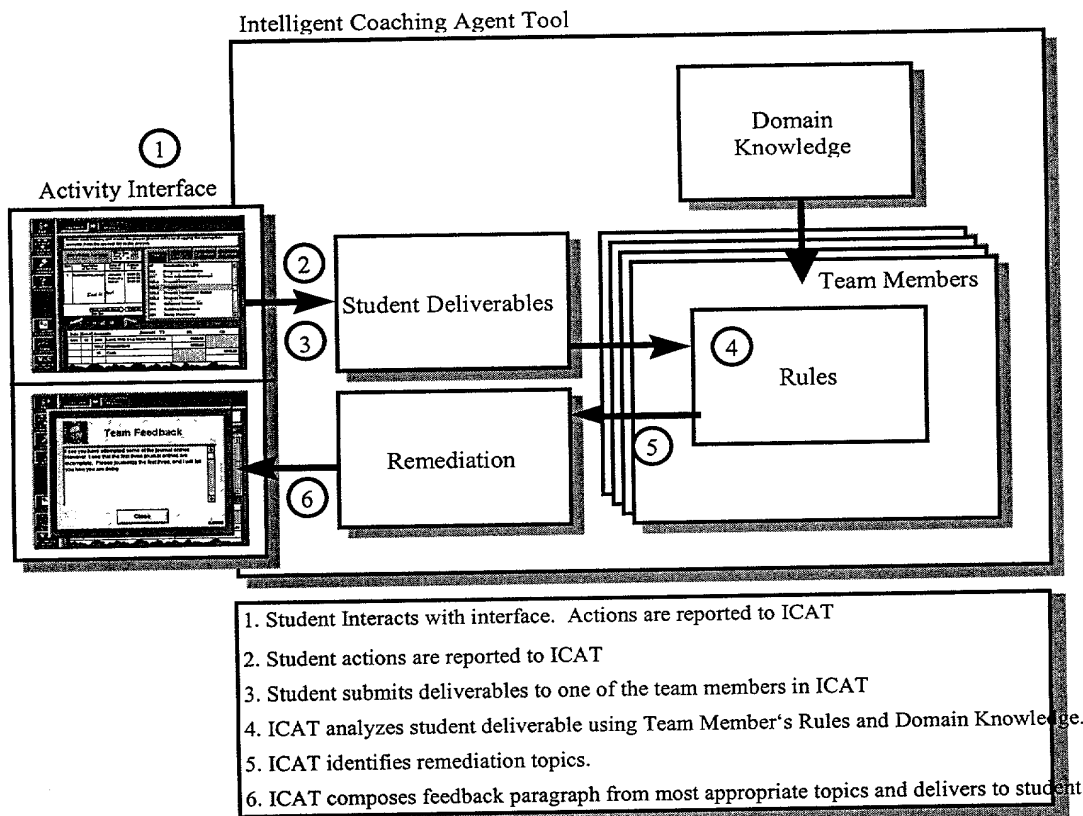


FIGURE 26



**FIGURE 27**

T02280"4264E660

Review each invoice, and create the proper journal entry by dragging the appropriate accounts from the account list to the Journal.

**COUNTRY-WIDE INSURANCE**  
 Billing Date 1/13  
 Acct. # 0793  
 Inv. # 793-237

Item	Description of Services	Dates of Services	Amount Due
1	Business Insurance	January	\$100.00
		February	\$100.00
		March	\$100.00
<i>Paid in Cash</i>			

Please pay this amount → \$300.00  
 Date Due:

Assets

Liabilities & Equity

Revenues

Expenses

8460 Land, Bldg & Lg Equip Rental Exp  
 8480 Insurance Expense  
 8502 Standard Tools Expense  
 8504 Office Supplies Expense  
 8506 Utilities Expense  
 8508 Telephone Expense  
 8510 Legal Fee Expense  
 8512 Professional Fee Expense  
 8514 Misc Services Expense  
 8520 Small Equipment Rental Expense

Back

12 of 22

Next

FIGURE 28

102280-4264E60

Review each invoice, and create the proper journal entry by dragging the appropriate accounts from the account list to the Journal.

**COUNTRYWIDE INSURANCE**  
 Billing Date 1/13  
 Acct. # 0793  
 Inv. # 793-237

Item	Description of Services	Dates of Services	Amount Due
1	Business Insurance	January	\$100.00
		February	\$100.00
		March	\$100.00
<i>Paid in Cash</i>			

Please pay this amount → **\$300.00**  
 Date Due:

Assets

Liabilities & Equity

Revenues

Expenses

\$460 Land, Bldg & Lg Equip Rental Exp  
 \$480 Insurance Expense  
 \$502 Standard Tools Expense  
 \$504 Office Supplies Expense  
 \$506 Utilities Expense  
 \$508 Telephone Expense  
 \$510 Legal Fee Expense  
 \$512 Professional Fee Expense  
 \$514 Misc Services Expense  
 \$520 Small Equipment Rental Expense

Date	Ent.#	Accounts	Journal - Y1	DR	CR
1/31	12	120.1	Prepaid Insurance	\$200.00	
		8480	Insurance Expense	\$100.00	
		10	Cash		\$300.00

FIGURE 29

#1 Get Control ID

8480 Insurance Expense = ID # 1202

Credit field = ID # 3022

#2 Make mapping

ID # 1202 mapped to target ID #3022

FIGURE 30

Date	Ent.	Accts	Journal - Y1	DR	CR
1/01	12	120.1	Prepaid Insurance	\$200.00	
		8480	Insurance Expense	\$100.00	
		10	Cash		\$300.00

March	\$100.00
<i>Paid in Cash</i>	
How pay this amount	\$300.00
Date Due	

8504	Office Supplies Expense
8506	Utilities Expense
8508	Telephone Expense
8510	Legal Fee Expense
8512	Professional Fee Expense
8514	Misc Services Expense
8520	Small Equipment Rental Expense

1	Business Insurance	January	\$100.00
		February	\$100.00

8480	Land, Bldg & Lg Equip Rental Exp
8480	Insurance Expense
8502	Standard Tools Expense

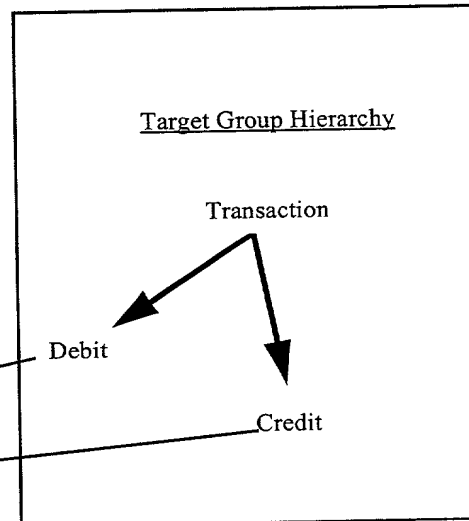


FIGURE 31

Date	Ent.	Accts	Journal - Y1	DR	CR
1/01	12	120.1	Prepaid Insurance	\$200.00	
		8480	Insurance Expense	\$100.00	
		10	Cash		\$300.00

March	\$100.00
<i>Paid in Cash</i>	
How pay this amount	\$300.00
Date Due	

8504	Office Supplies Expense
8506	Utilities Expense
8508	Telephone Expense
8510	Legal Fee Expense
8512	Professional Fee Expense
8514	Misc Services Expense
8520	Small Equipment Rental Expense

1	Business Insurance	January	\$100.00
		February	\$100.00

8480	Land, Bldg & Lg Equip Rental Exp
8480	Insurance Expense
8502	Standard Tools Expense

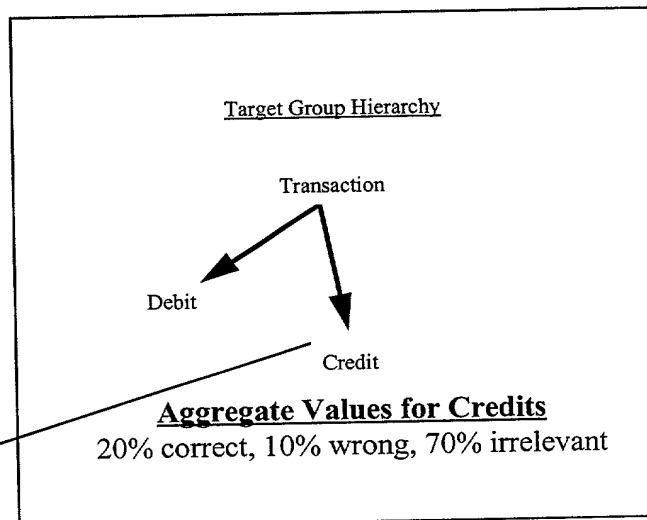


FIGURE 32

- ◆ C: Journalize
  - ↳ All relevant journal entries
    - ↳ No entries made
    - ↳ Some attempted, 1,2,3 not complete
    - ↳ All work is correct
    - ↳ Tr 1 & 2 (18) & 3
      - ↳ Leading text for 1, 2, 3
      - ↳ Transaction 1
      - ↳ Transaction 18
      - ↳ Transaction 3
  - ↳ Rel Tr 4 - 20
    - ↳ Mastermind, <19 rel entries completed
    - ↳ 1-5 relevant entries attempted, >=75% correct
    - ↳ 1-5 relevant entries attempted, >=50% <75% cor
    - ↳ 1-5 relevant entries attempted, <50% correct
    - ↳ 6-11 relevant entries attempted, >=75% correct
    - ↳ 6-11 relev. entries attempted, >=50% <75% cor
    - ↳ 12-19 relevant entries attempted, >=75% correct
    - ↳ 12-19 relev. entries attempted, >=50% <75% cor
    - ↳ 12-19 relevent entries attempted, <50% correct
    - ↳ 6-11 relevant entries attempted, <50% correct
    - ↳ All entries not complete
    - ↳ Mastermind all 20 relevant entries entered

**FIGURE 33**



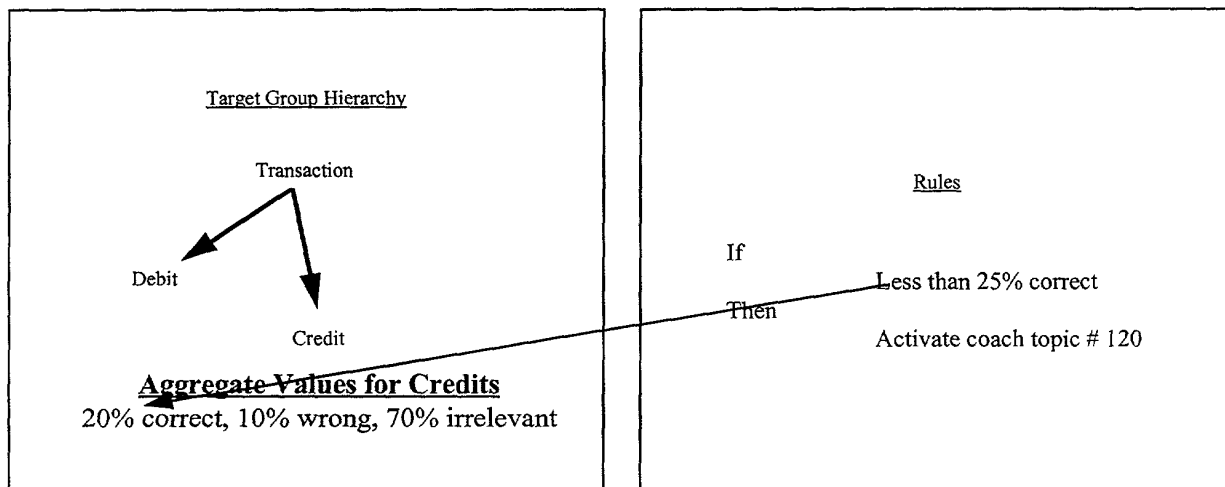


FIGURE 34

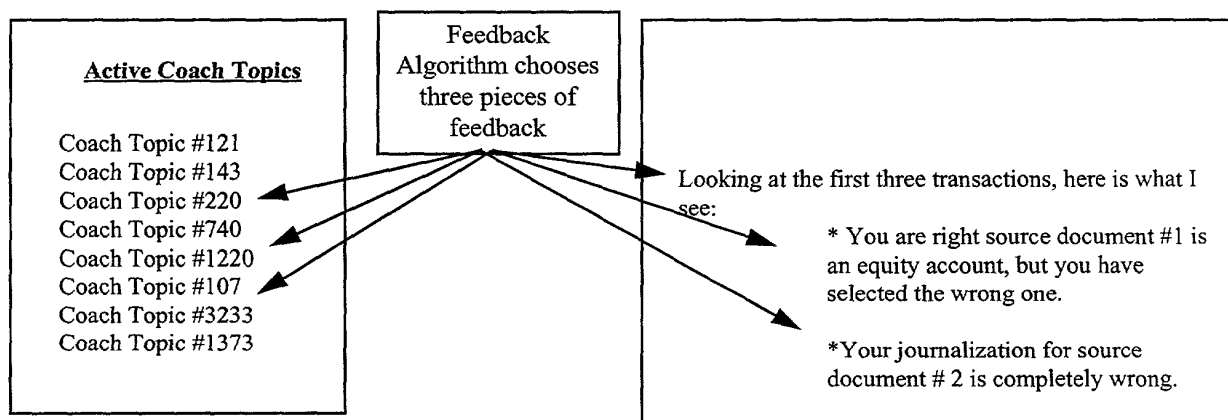


FIGURE 35

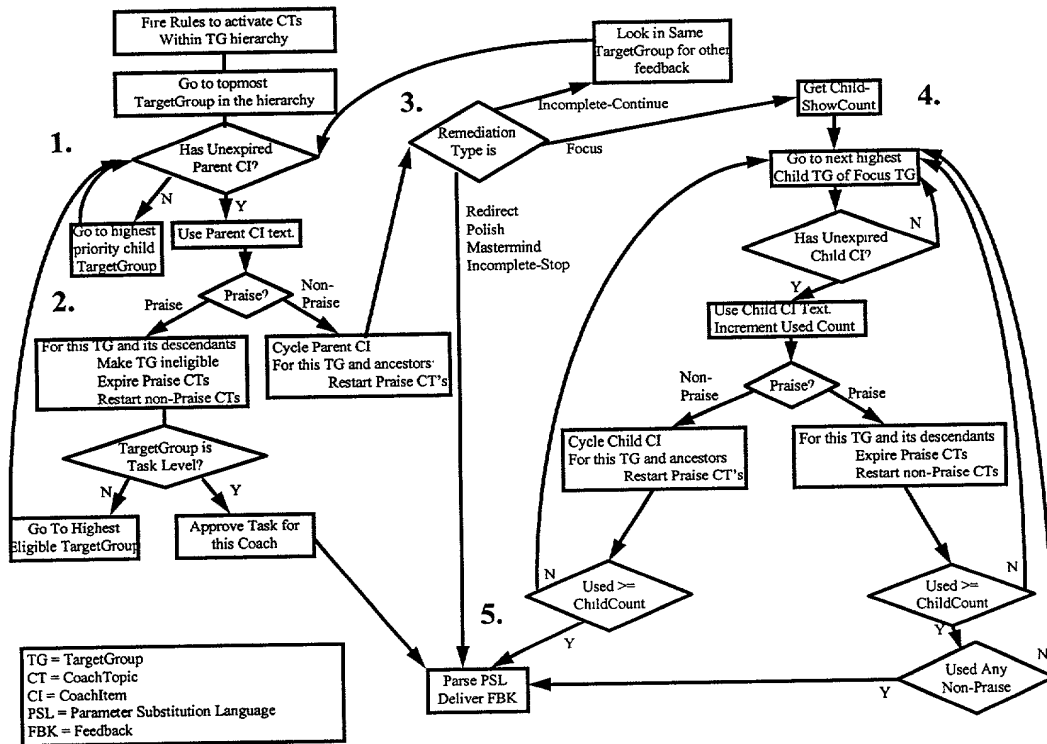


FIGURE 36

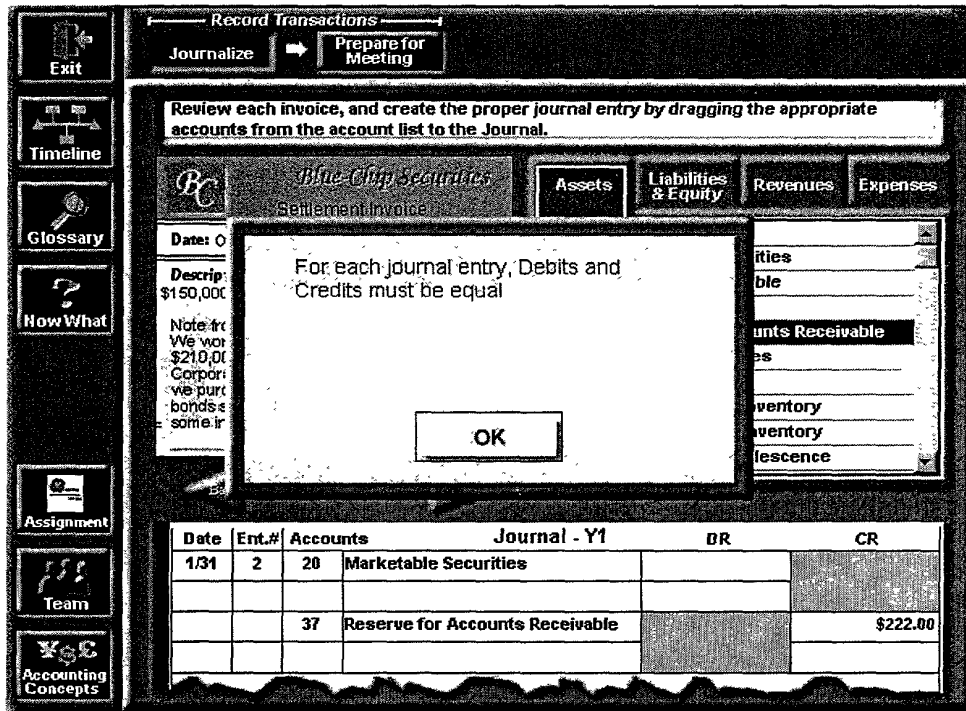


FIGURE 37

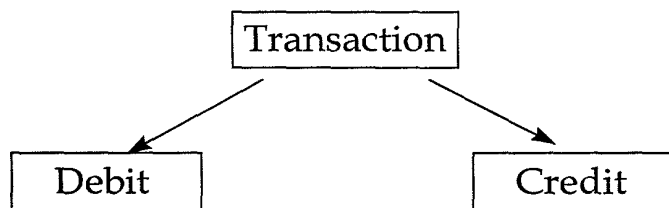
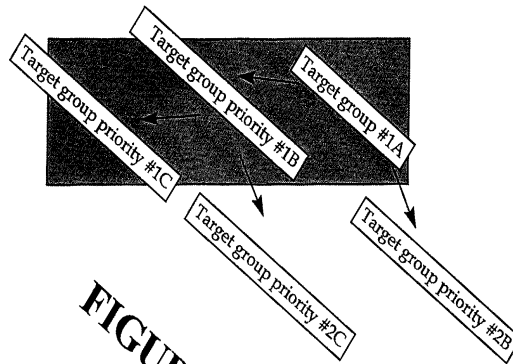
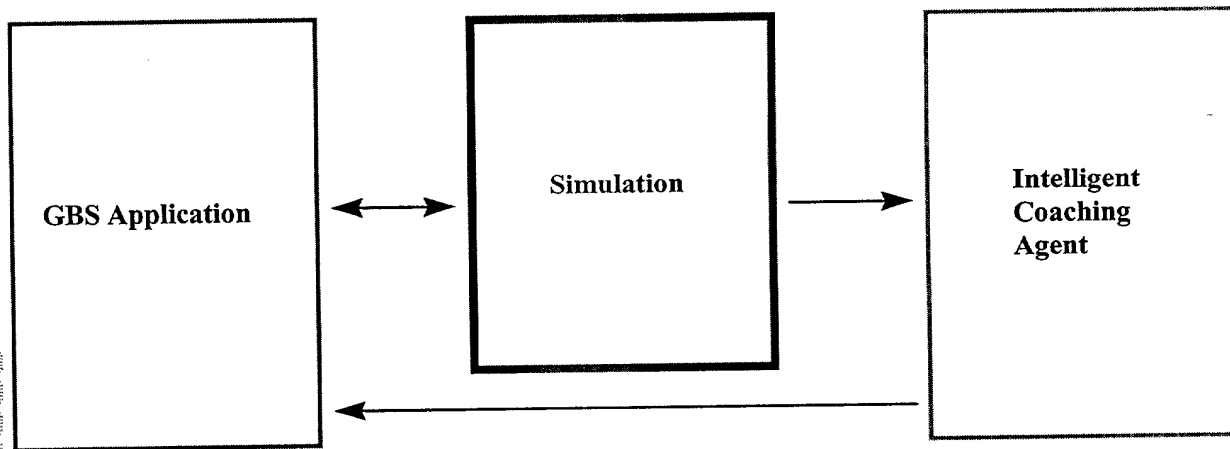


FIGURE 38

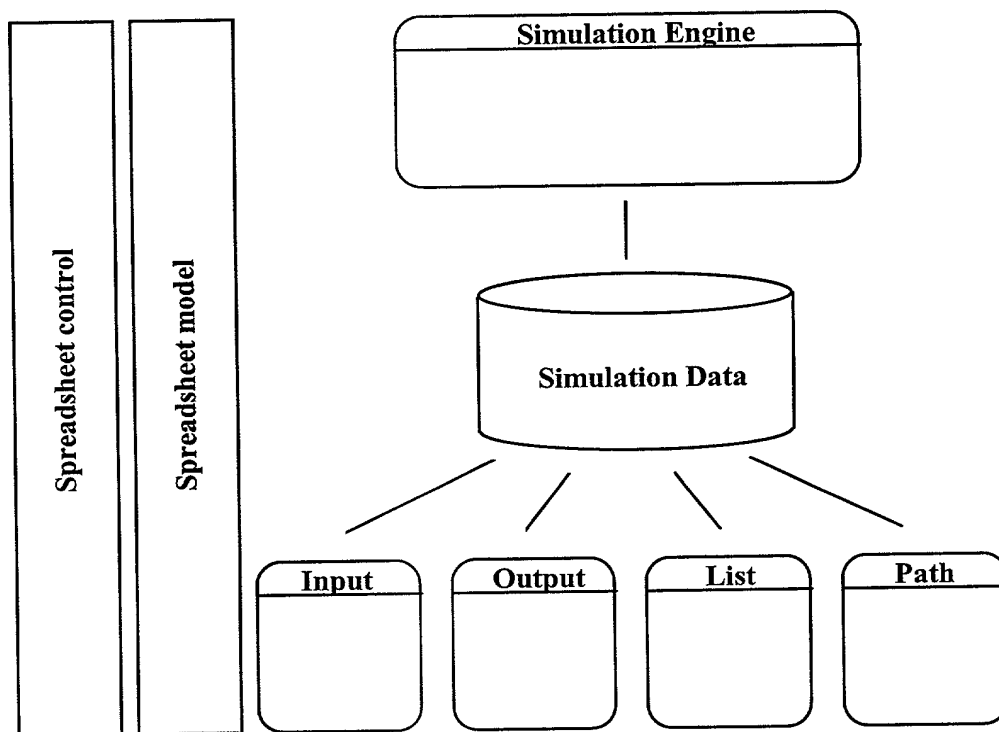
FIG. 39 is a block diagram of a target group priority system. The system includes a target group priority #1A, a target group priority #1B, a target group priority #1C, a target group priority #2A, a target group priority #2B, and a target group priority #2C. The target group priority #1A, #1B, and #1C are connected to the target group priority #2A, #2B, and #2C respectively. The target group priority #1A is connected to the target group priority #2A. The target group priority #1B is connected to the target group priority #2B. The target group priority #1C is connected to the target group priority #2C.



**FIGURE 39**



**FIGURE 40**



**FIGURE 41**

Distinct_Input		9999		
	A	B	C	D
1	Question 1			
2	1 + 1 =		9999	
3				

FIGURE 42

DragDrop_In...		0		
	A	B	C	D
4	Question 2			
5	What's the result of 4 + 2 ?			
6	a) 2			
7	b) 8			
8	c) 6			
9	d) None of the above			
10				
11	1204		0	
12				

FIGURE 43

	1			
1.1	1.2	1.3	...	1.n
2.1	2.2	2.3	...	2.n
.	.	.		.
.	.	.		.
.	.	.		.
n.1	n.2	n.3	...	n.n

FIGURE 44

24	~MyList~1211	\$7.00	screwdriver
25	~MyList~1218	\$12.50	pail
26	~MyList~1214	\$0.50	sandpaper
27			
28			
29			
30			
17		screwdriver	\$7.00
18		chisel	\$4.00
19		pail	\$12.50
20		sandpaper	\$0.50
21	Select the maximum number of products so that the total is closest to \$20.00		
22			
23			Description
The_List			
	A	B	C
13	Question 3		
14	In a hardware store you can find these products:		
15		hammer	\$13.00
16		saw	\$15.00
17			\$7.00

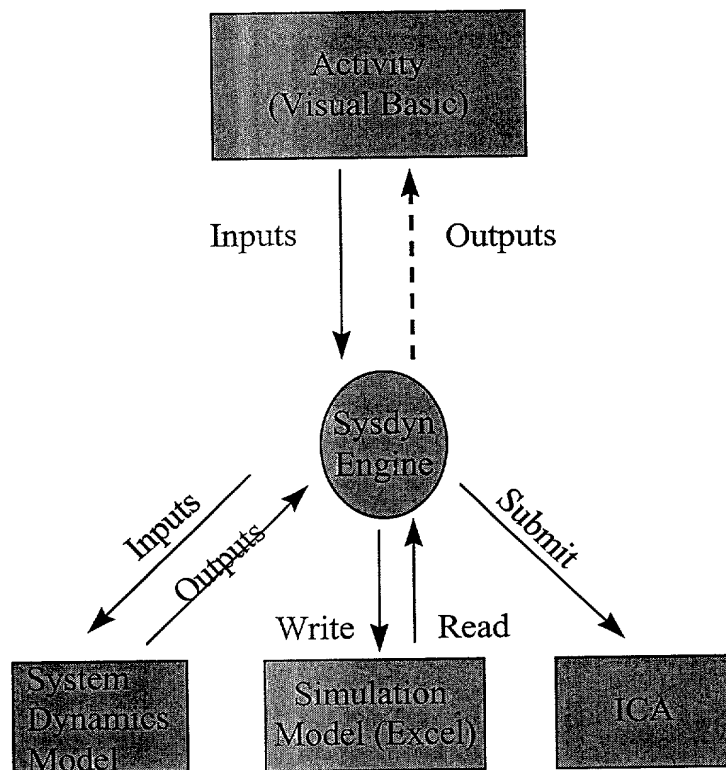
FIGURE 45

FOI b3 b7c b7d

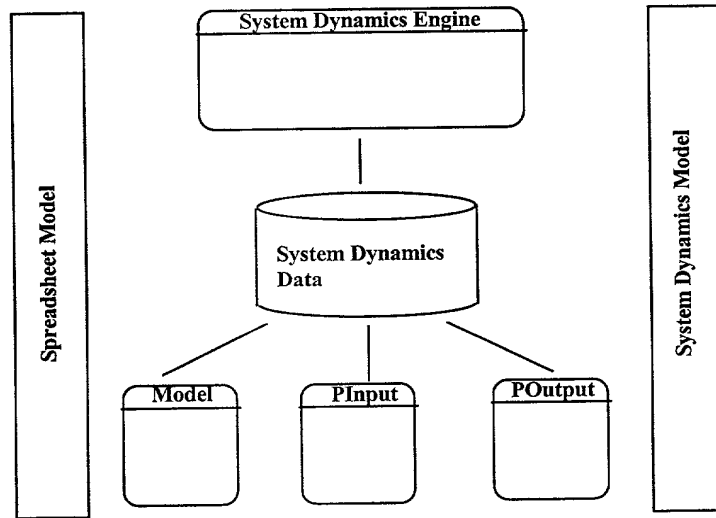
Distinct_Out...		=SUM(C24:C29)					
	A	B	C	D	E	F	G
13	Question 3						
14	In a hardware store you can find these products:						
15		hammer			\$13.00		
16		saw			\$15.00		
17		screwdriver			\$7.00		
18		chisel			\$4.00		
19		pail			\$12.50		
20		sandpaper			\$0.50		
21	Select the maximum number of products so that the total is closest to \$ 20.00						
22							
23			Description			Actual total	
24	~MyList~1211	\$7.00	screwdriver			\$20.00	
25	~MyList~1213	\$12.50	pail				
26	~MyList~1214	\$0.50	sandpaper				
27							
28							
29							
30							
31							

FIGURE 46





**FIGURE 47**



**FIGURE 48**

Interest_Rate		0.04							
	A	B	C	D	E	F	G		
1									
2	Finance Simulation								
3									
4	Interest		40.08	Balance		1000			
5									
6	Interest Rate		0.04						
7									

FIGURE 49

Interest Rate BU											
	A	B	C	E	F	G	H	I	J	K	
2	Backups										
3											
4	Inputs				Outputs						
5	Interest Rate			Interest				Balance			
6	Time	Value		Time	Value		Time	Balance Value			
7											
8											
9											
10											

FIGURE 50

Balance		1000					
	A	B	C	D	E	F	G
1							
2	Finance Simulation						
3							
4	Interest		40.08	Balance		1000	
5							
6	Interest Rate		0.04				
7							

FIGURE 51



FIGURE 52

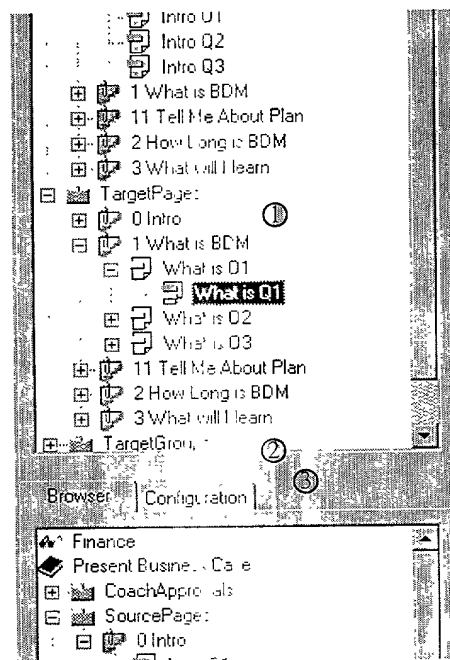


FIGURE 53

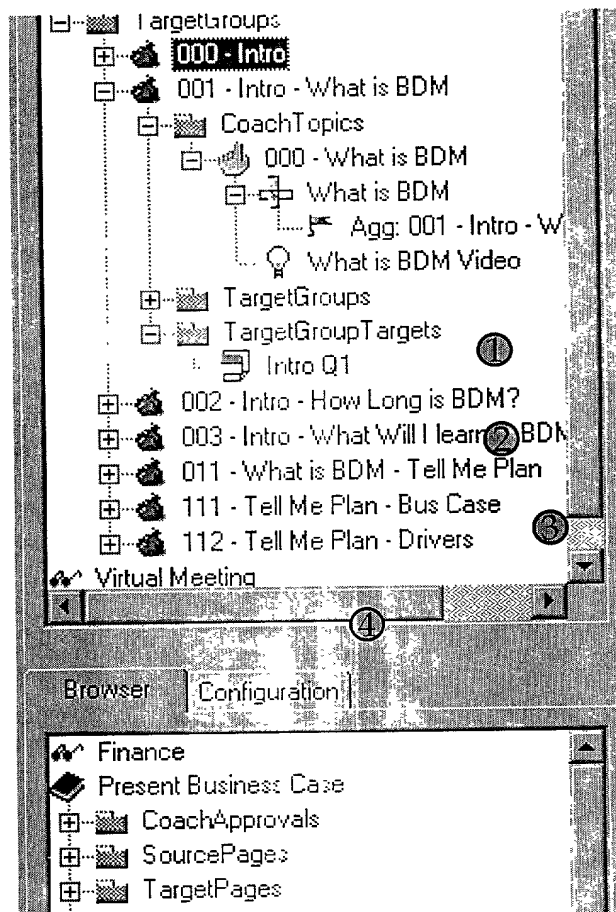


FIGURE 54

Min:	999	999	999	999	999
Max:	999	999	999	999	999
	#Subs	%Alt	%Tot	AggRel	%Rel
Min:	999	999	999	999	999
Max:	999	999	999	999	999
	ChThis	ChPrev	Hint:		
Min:	999	999			
Max:	999	999			

Rule ID:	18
Rule Name:	What is BDM
Condition ID:	1E
Target Group:	Instr Alt BDM
Aggregate Values:	
	UCP UCN UCZ USP USN
Min:	1 999 999 999 999
Max:	999 999 999 999 999
	UCP2 UCP3 UCP4 UCP5 ChAlt

FIGURE 55

<T>BDM Stands for the business decision making course.  
It is a multimedia course aimed at middle level  
management</T>

CoachItem ID: 25

Name: What is BDM Video

Type: Block

Sequence No: 0

Child Display Count: 3

Feedback:

<F>Finance.avik</F>  
<I>0</I>  
<Q>0</Q>

FIGURE 56

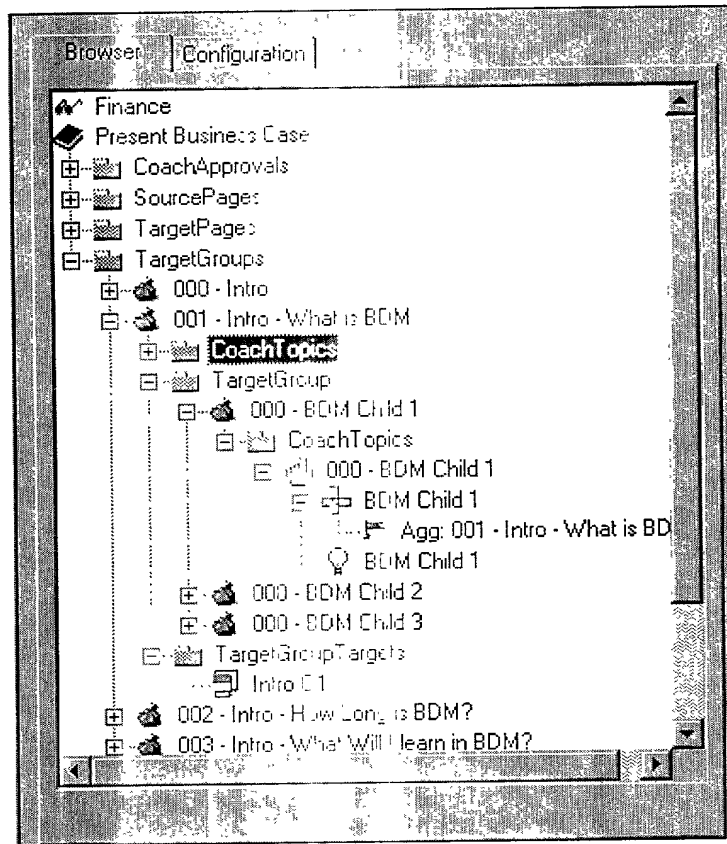


FIGURE 57

Rule ID: 19  
 Rule Name: BDM Child 1  
 Condition ID: 20  
 Target Group: Includes BDM

Aggregate Values

	UCP	UCN	UCZ	USP	USN
Min:	1	999	999	999	999
Max:	999	999	999	999	999

	UCP2	UCP3	UCP4	UCP5	CntAb
Min:	999	999	999	999	999
Max:	999	999	999	999	999

	#Subs	%Att	%Tot	AggRel	%Rel
Min:	999	999	999	999	999
Max:	999	999	999	999	999

	ChThis	ChPrev	Hint
Min:	999	999	
Max:	999	999	

FIGURE 58

Child Display Count: 0  
 Feedback: Tell me about Plans

①

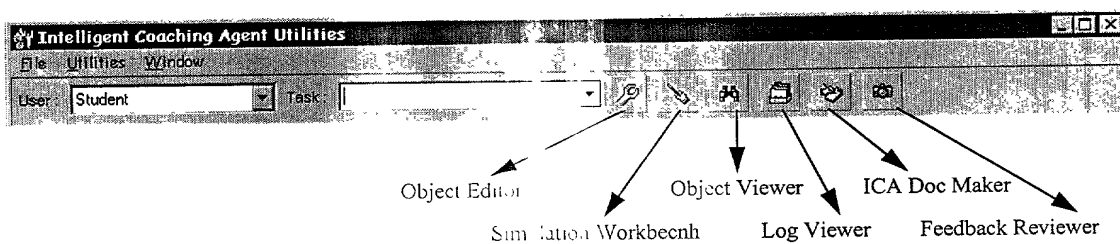
②

Coach Item ID: 26  
 Name: BDM Child 1  
 Type: Child  
 Sequence No: 0

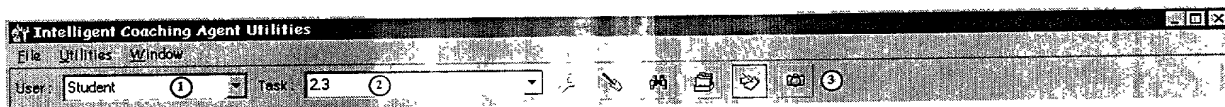
FIGURE 59



## FIGURE 60



## FIGURE 61



## FIGURE 62



FIGURE 63

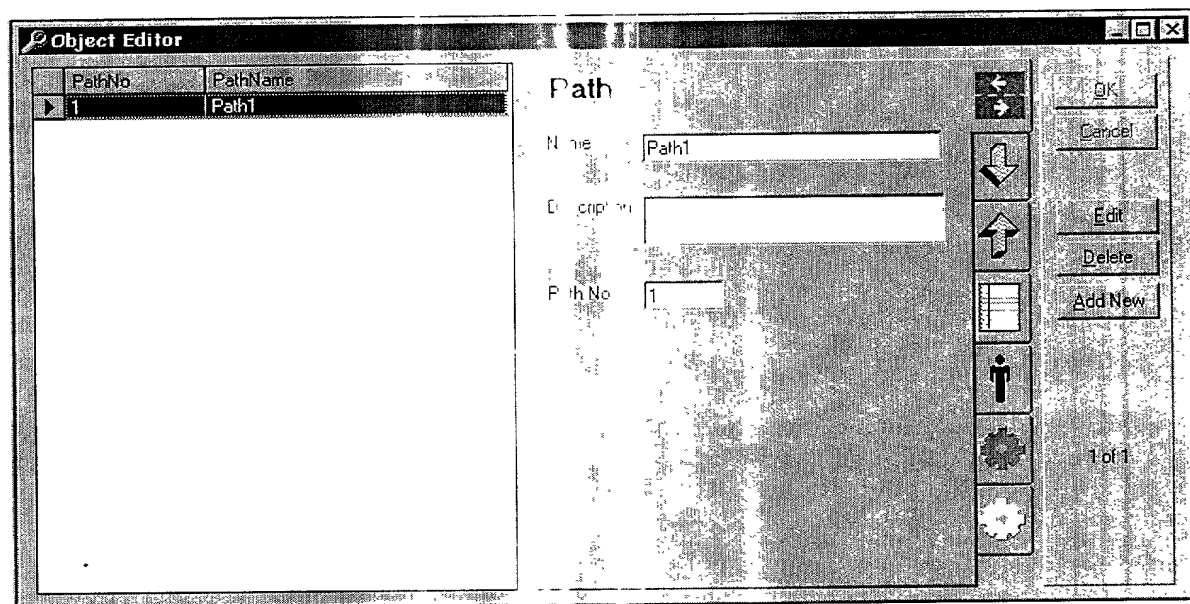


FIGURE 64

Object Editor

InputID InputName

**Input**

Name:

Description:

Reference:

Path:

☐ Tutor Aware

TargetID:

SourceItemID:

OK Cancel Edit Delete Add New > >> 0 of 0

## FIGURE 65

The screenshot shows the "Object Editor" window. On the left is a large table with two columns: "ListID" and "ListName". The rest of the window contains several input fields and controls:

- "Name:" followed by a text box.
- "Description:" followed by a larger text area.
- "Reference:" followed by a text box.
- "Path:" followed by a text box with a folder icon button on its right side.
- A checkbox labeled "Tutor Aware".
- "TargetID:" followed by a text box.
- "Additional Columns:" followed by a text box.

On the far right, there is a vertical toolbar with icons for undo, redo, down arrow, up arrow, list view, user icon, zoom in, and zoom out. To the right of this toolbar are buttons for "OK", "Cancel", "Edit", "Delete", "Add New", ">", ">>", and "0 of 0". At the bottom of the window, a status bar displays file paths and document information.

FIGURE 66

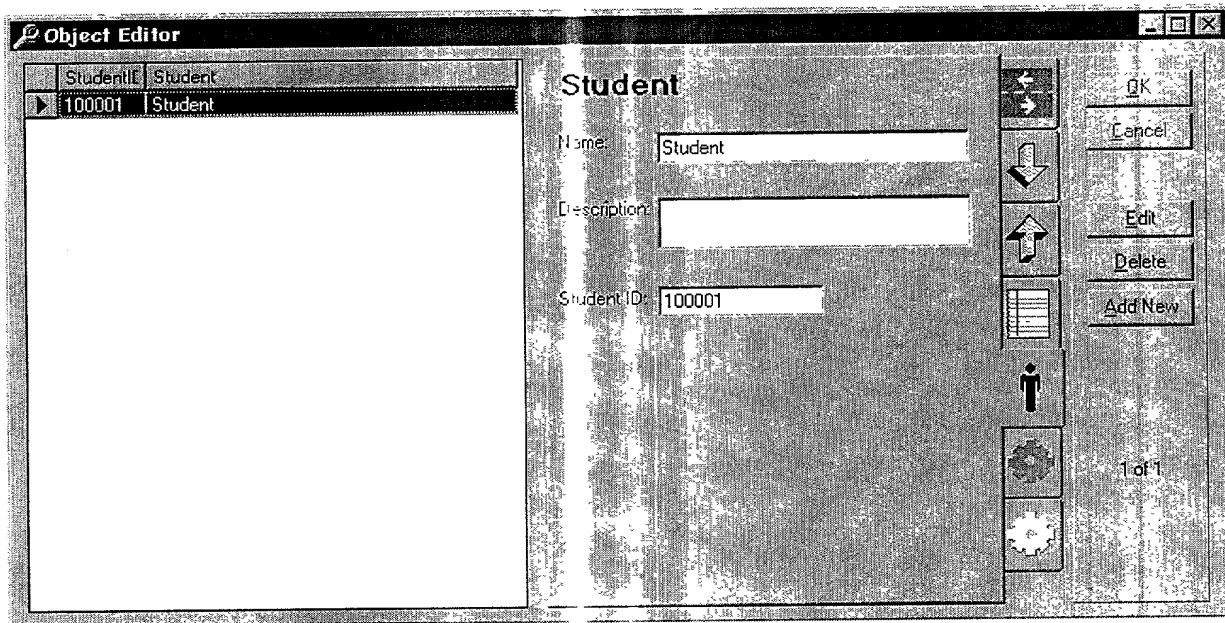


FIGURE 67A

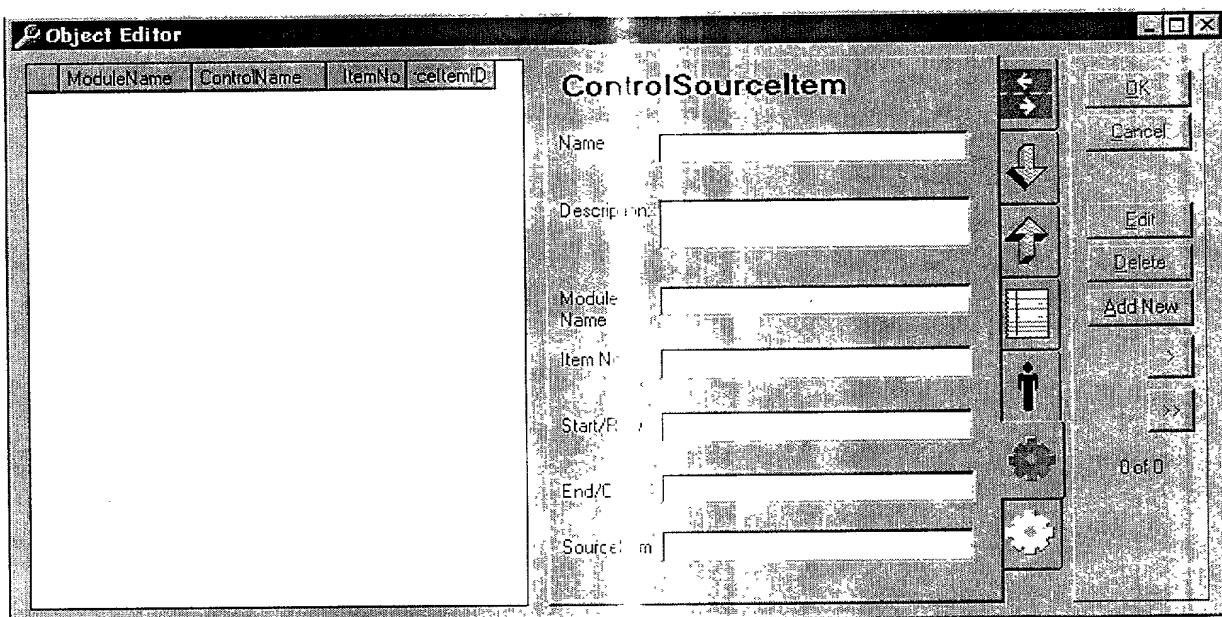


FIGURE 67B

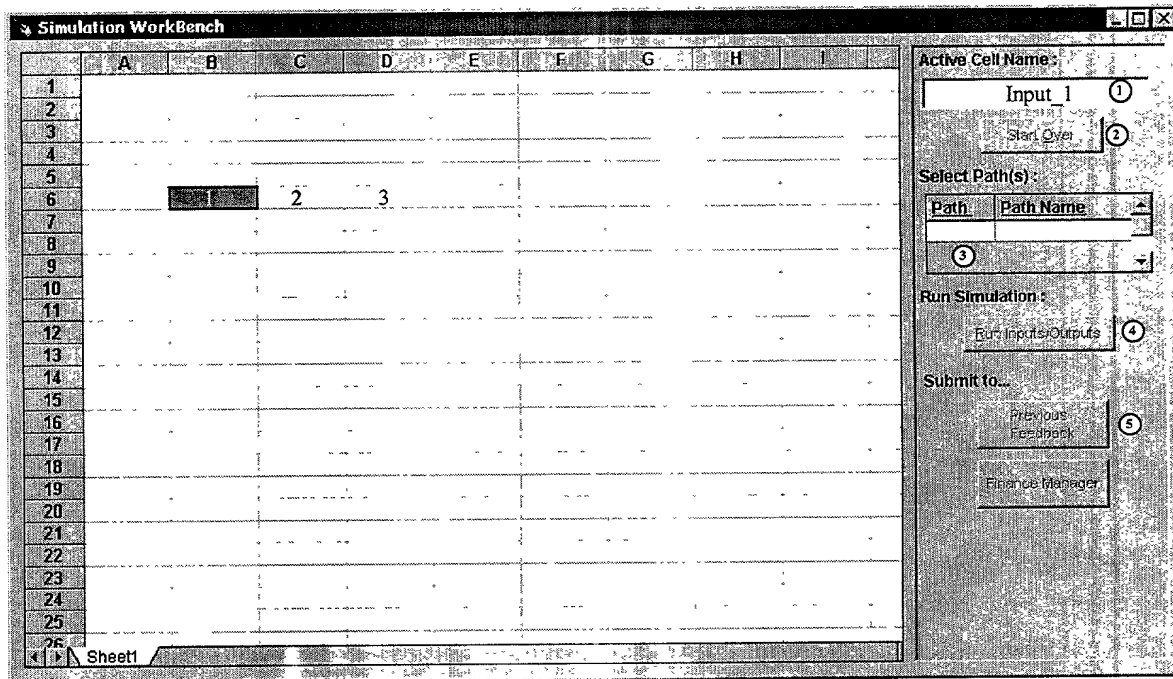


Figure 68

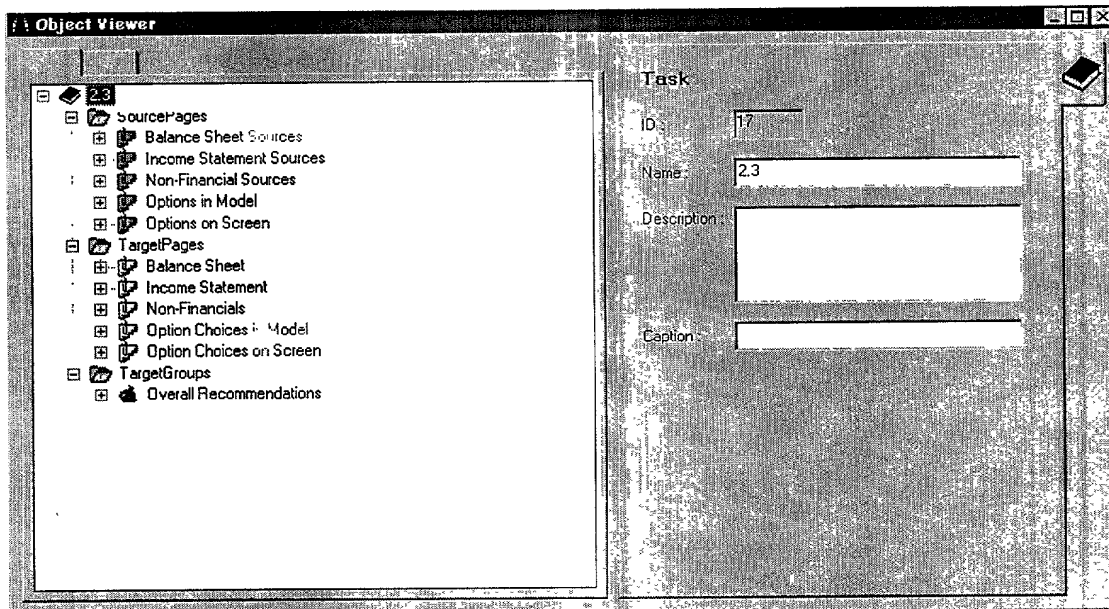


Figure 69

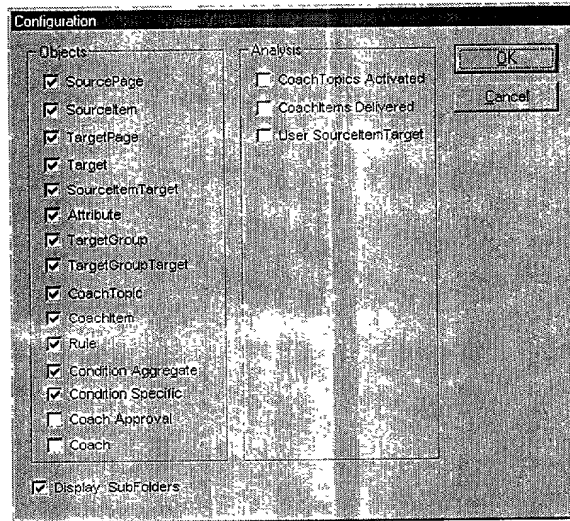


Figure 70

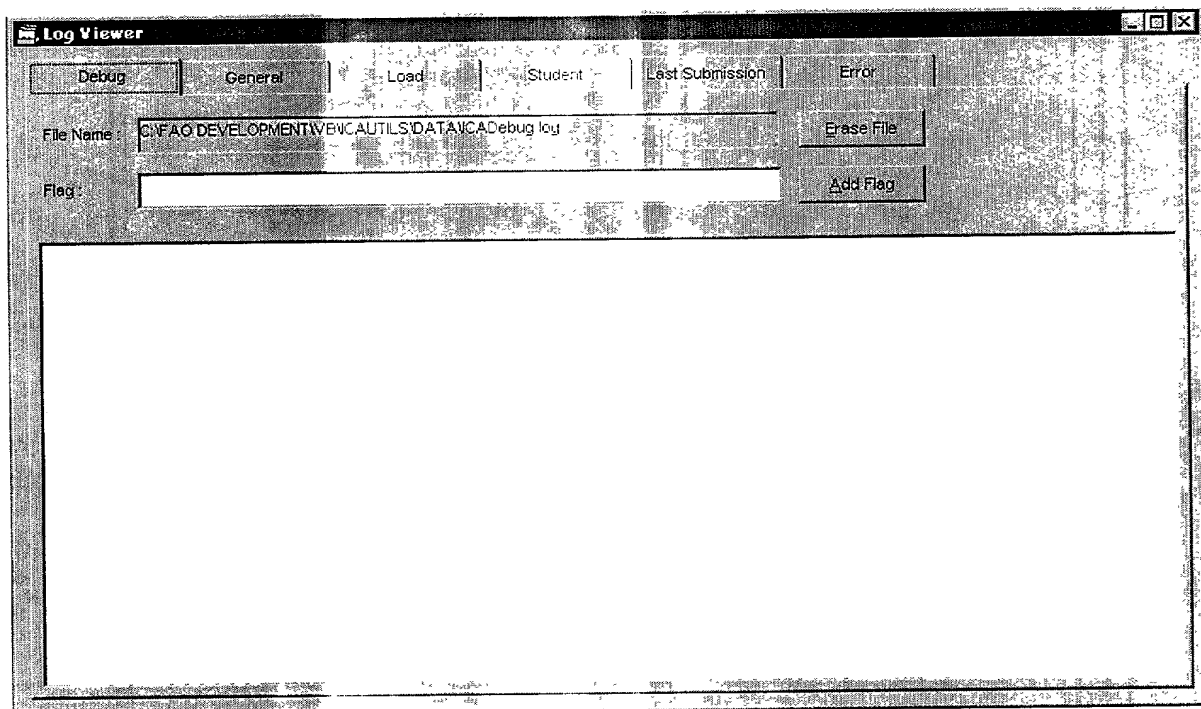


Figure 71

**DocMaker**

Database:  
U:\BUILD\ICAT\Database\FAQ Course Data.mdb

Document Path:  
C:\FAQ Development\WB\FAQ\IcaDoc\

Make Docs

	TaskID	Task
▶	19	1.1
	20	1.2
	35	1.3
	15	2.1
	16	2.2
	17	2.3
	18	2.4
	22	3.1
	23	3.2
	24	3.3
	25	3.4
	29	4.1
	30	4.2
	31	4.3
	32	4.4

Figure 72



**Student Feedback**

UAT DB: C:\FAO DEVELOPM\VT\VB\CAUTILS\DATABASE\CASTud.mdb

Student:

Task:

Tester Comment

UAT Feedback

Fixer Comment

Current Feedback

Elapsed Time:

Figure 73



**Object Editor**

InputID	InputName
▶ 576	DR_AMOUNT

**Input**

Name:

Description:

Reference:

Pattern:

☒ Tutor Aware

TargetID:

SourceItemID:

↔

↓

↑

⌂

ⓘ

⚙

⚙

OK

Cancel

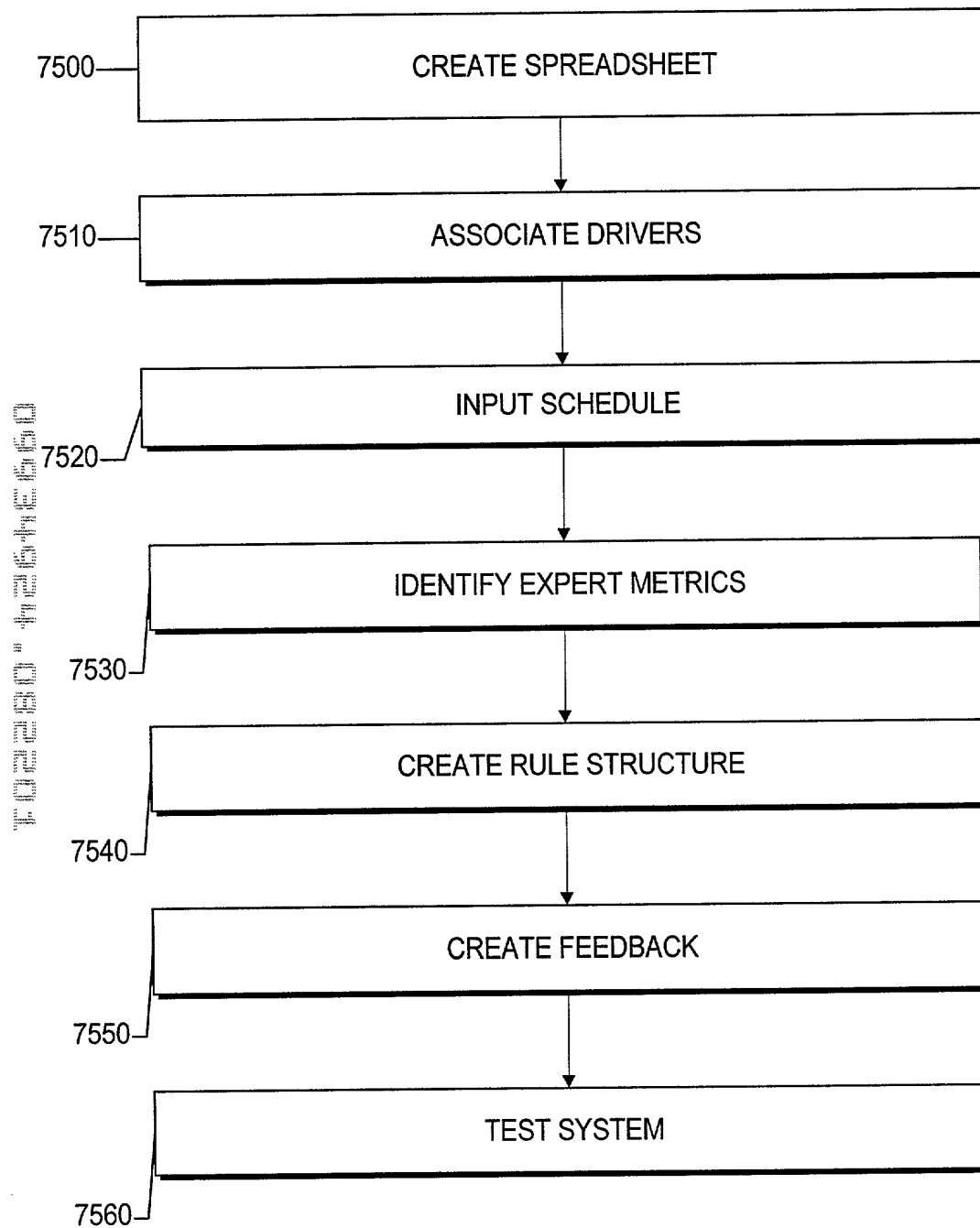
Edit

Delete

Add New

1 of 1

Figure 74



***FIGURE 75***

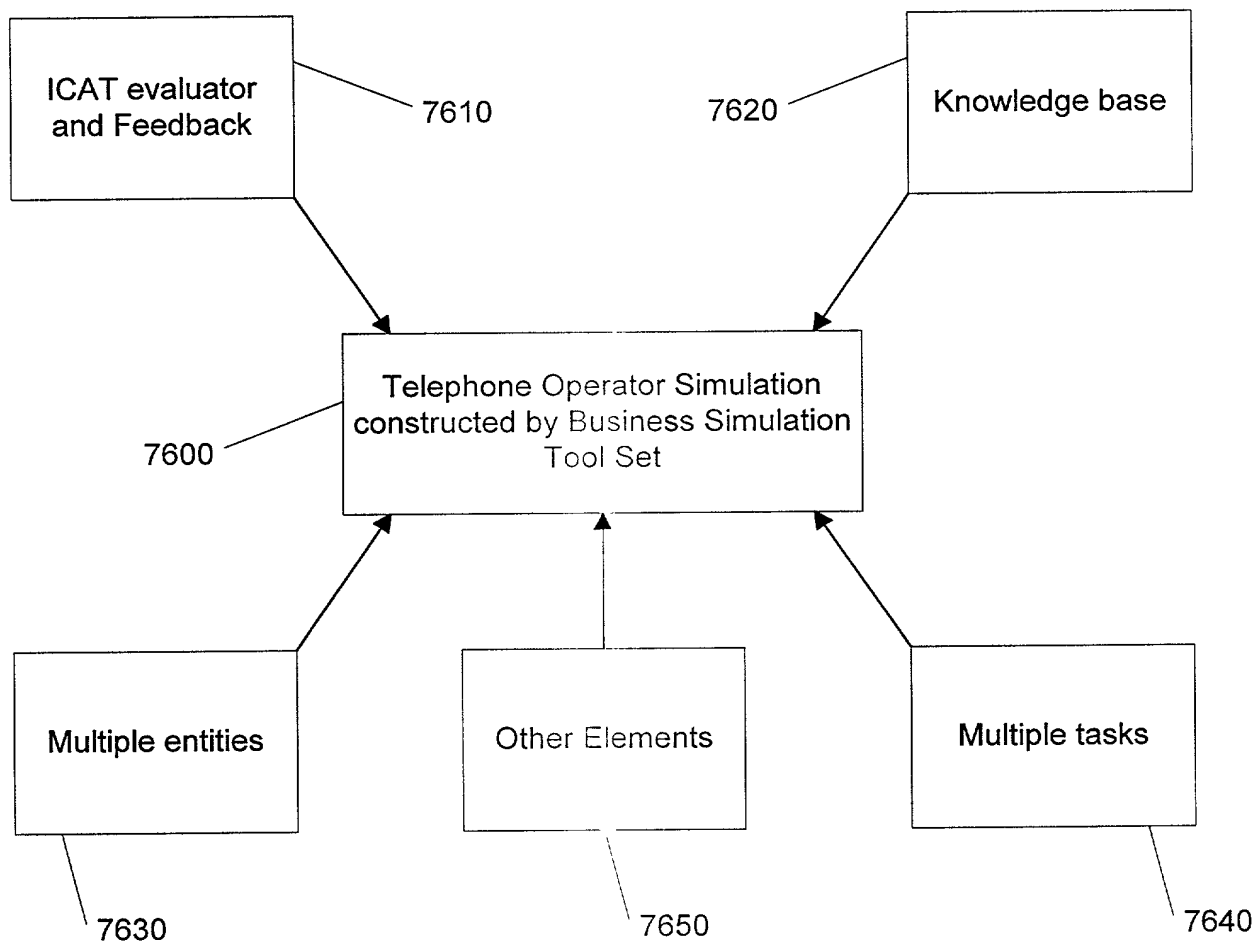


Figure 76  
Assembly of Telephone Operator Training Simulation

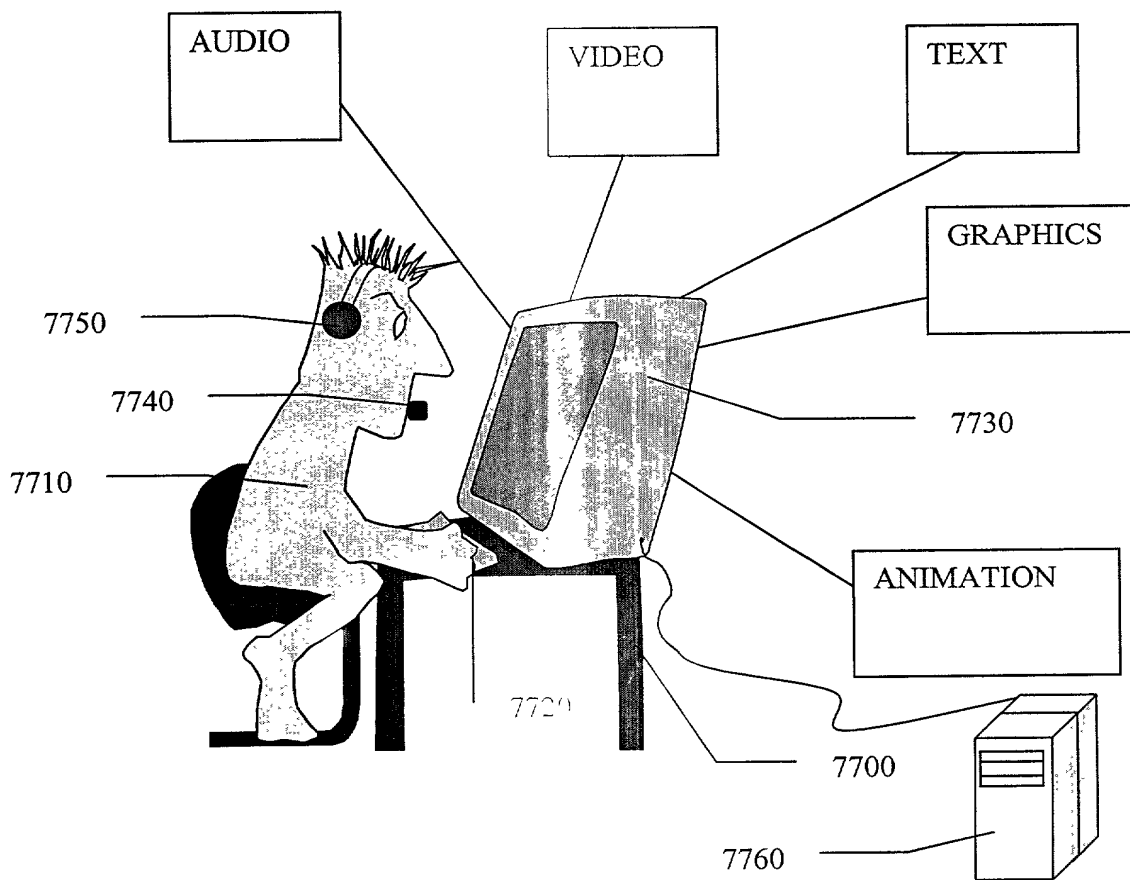


FIGURE 77

**FIGURE 78**

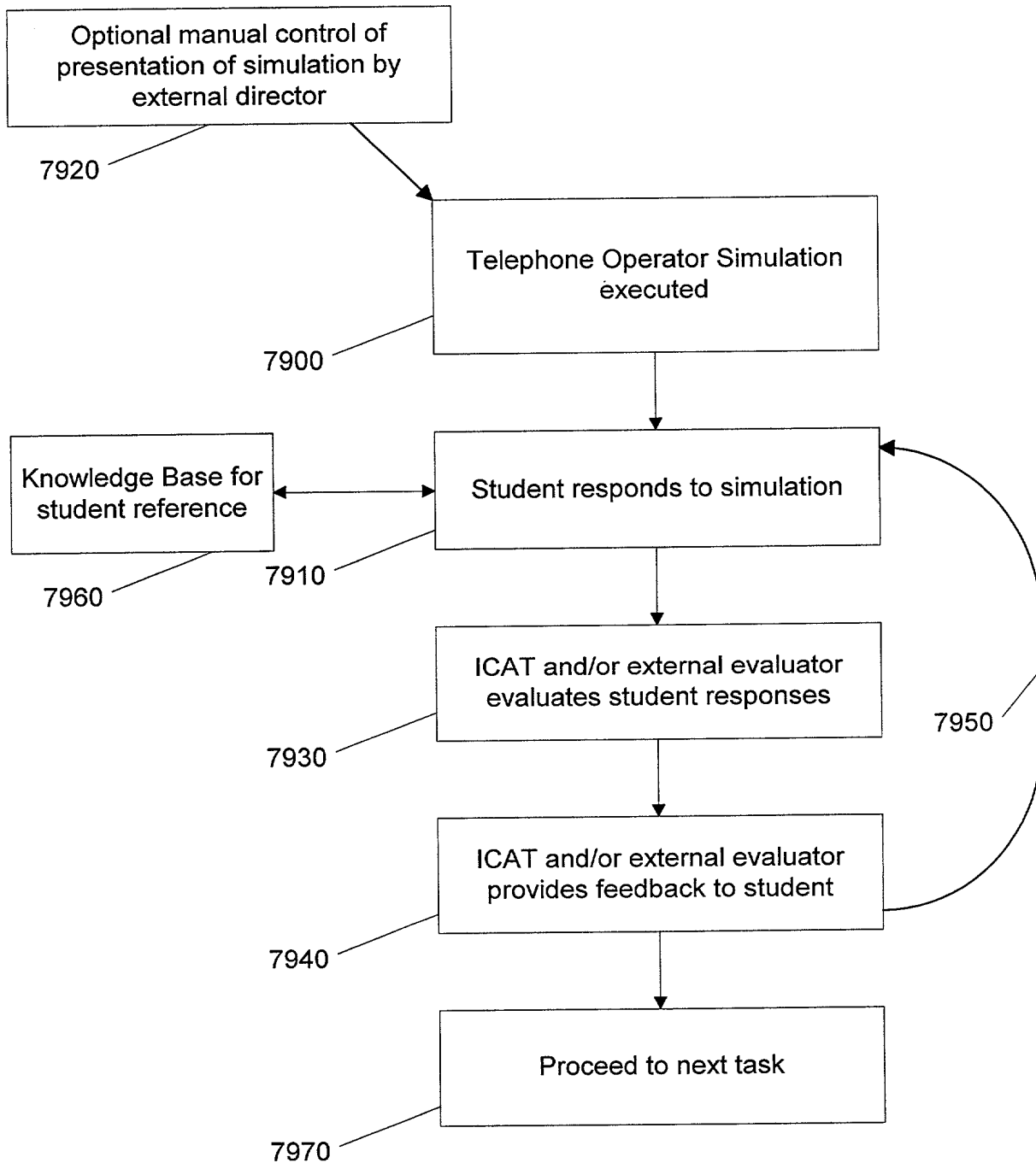
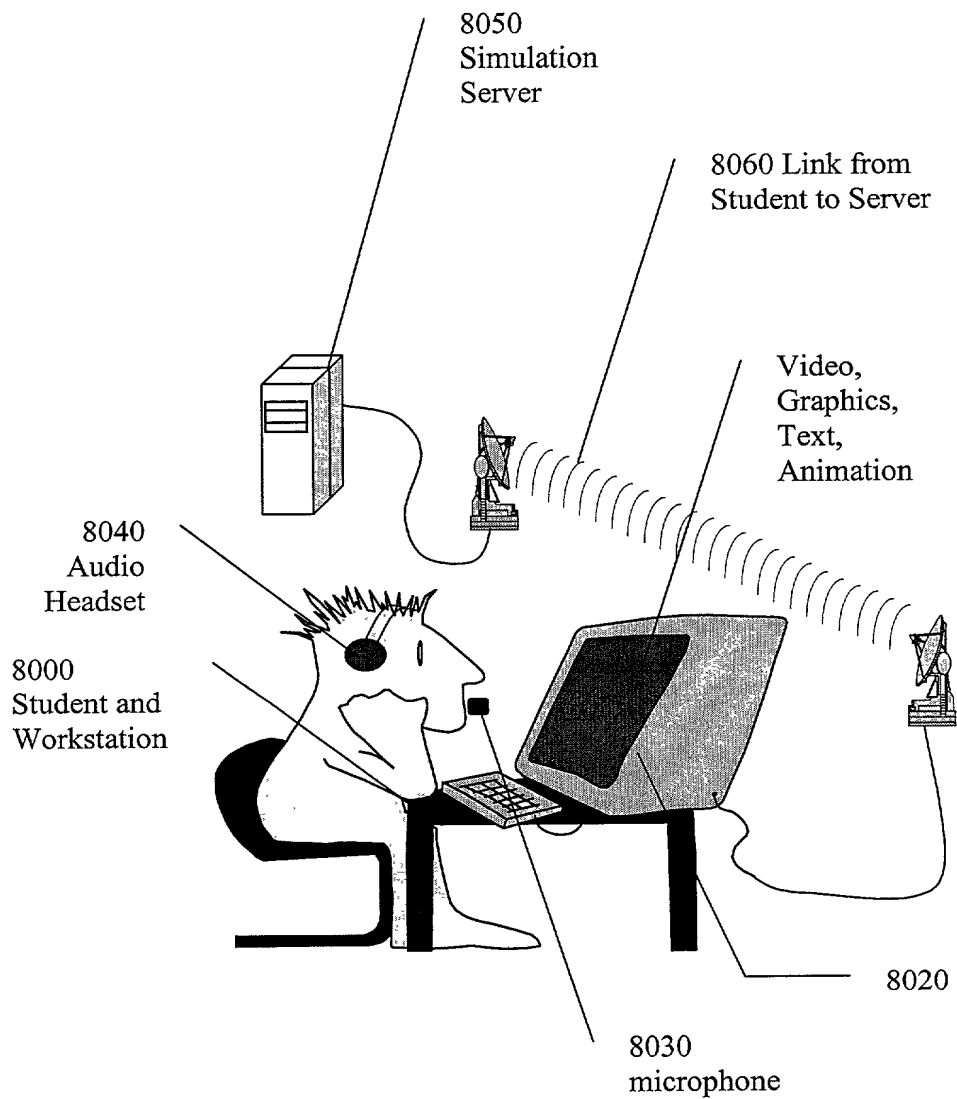


Figure 79  
Telephone Operator Training  
Simulation Execution



**Figure 80**

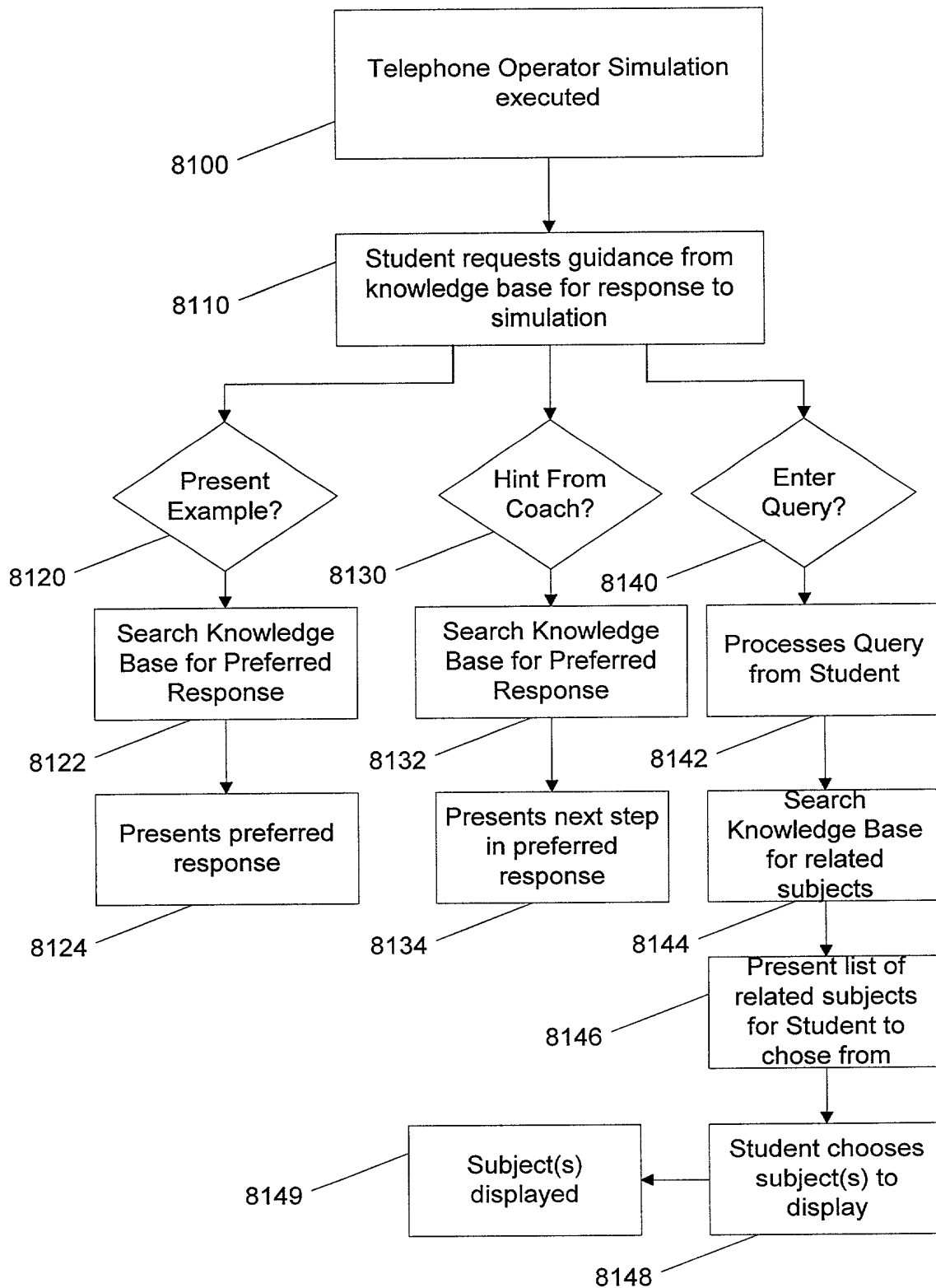


Figure 81  
Query Knowledge Base



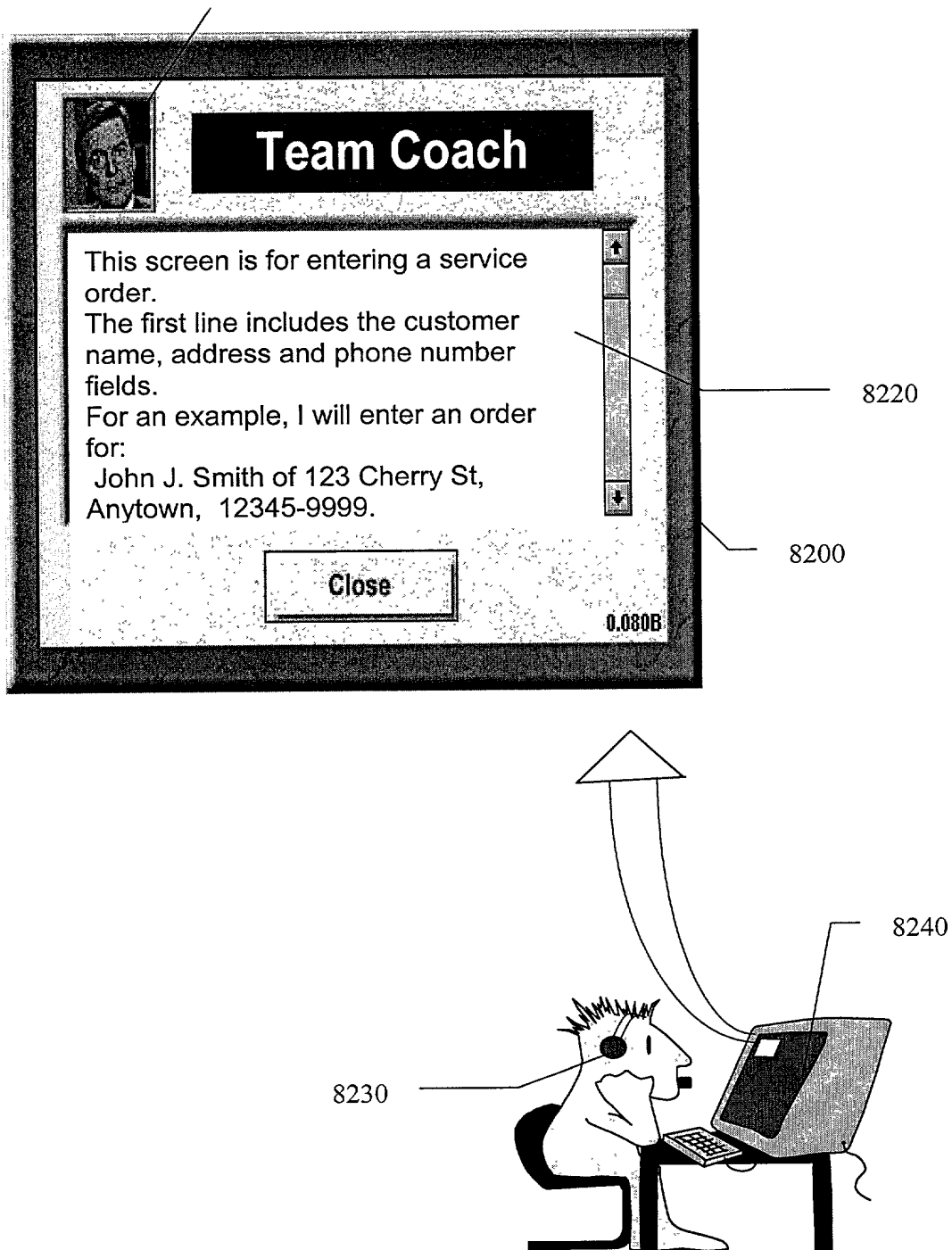
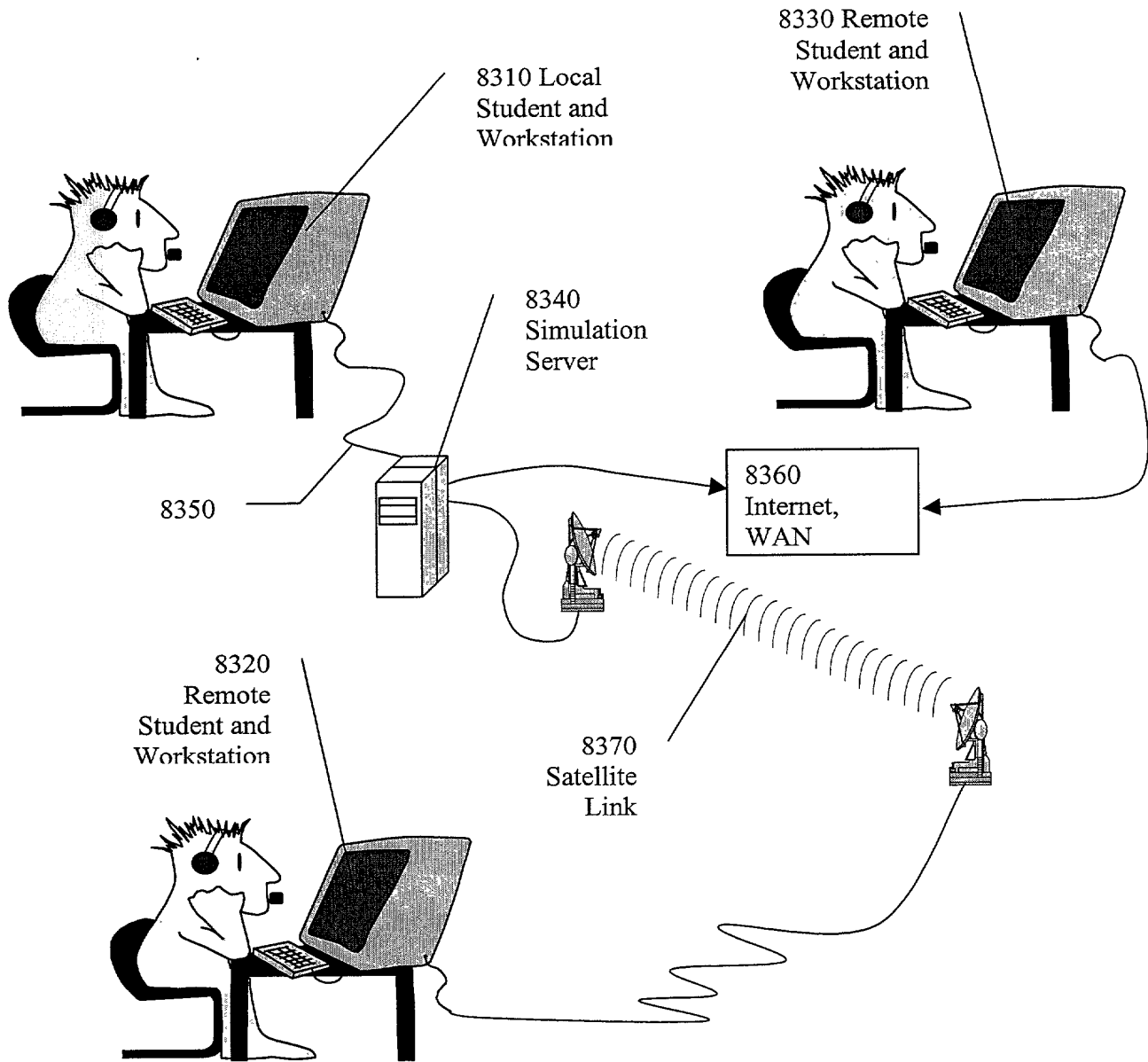
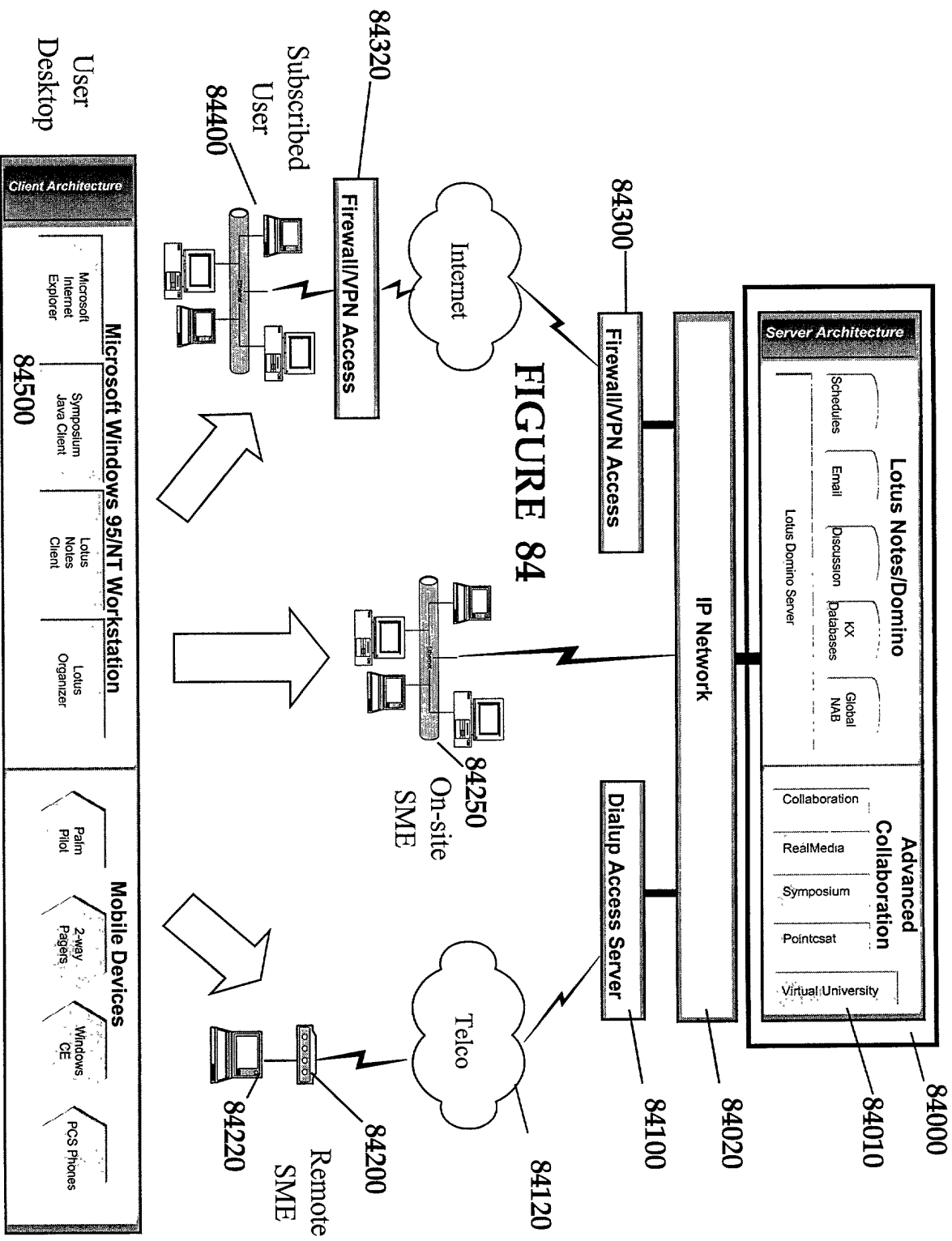


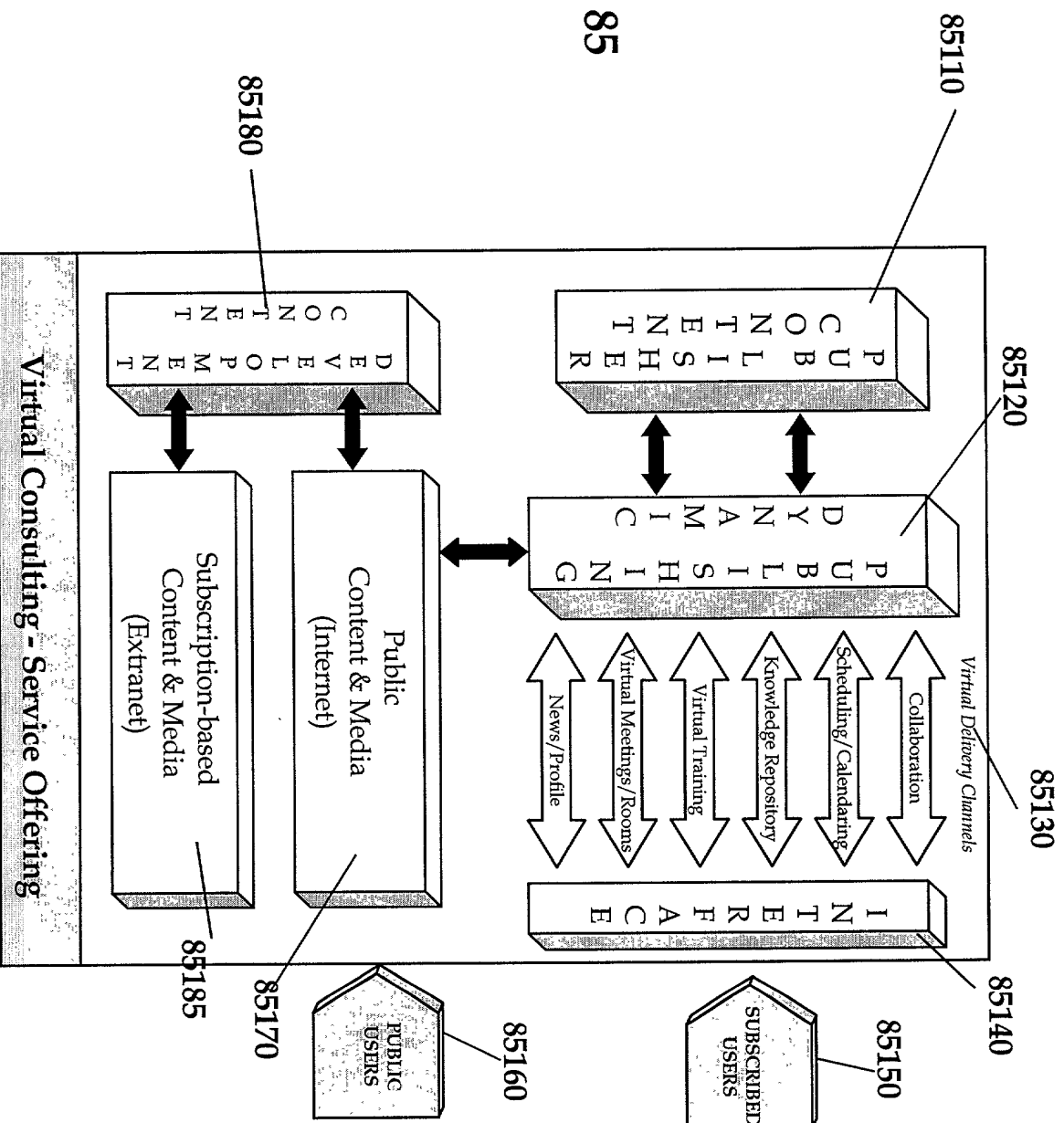
Figure 82

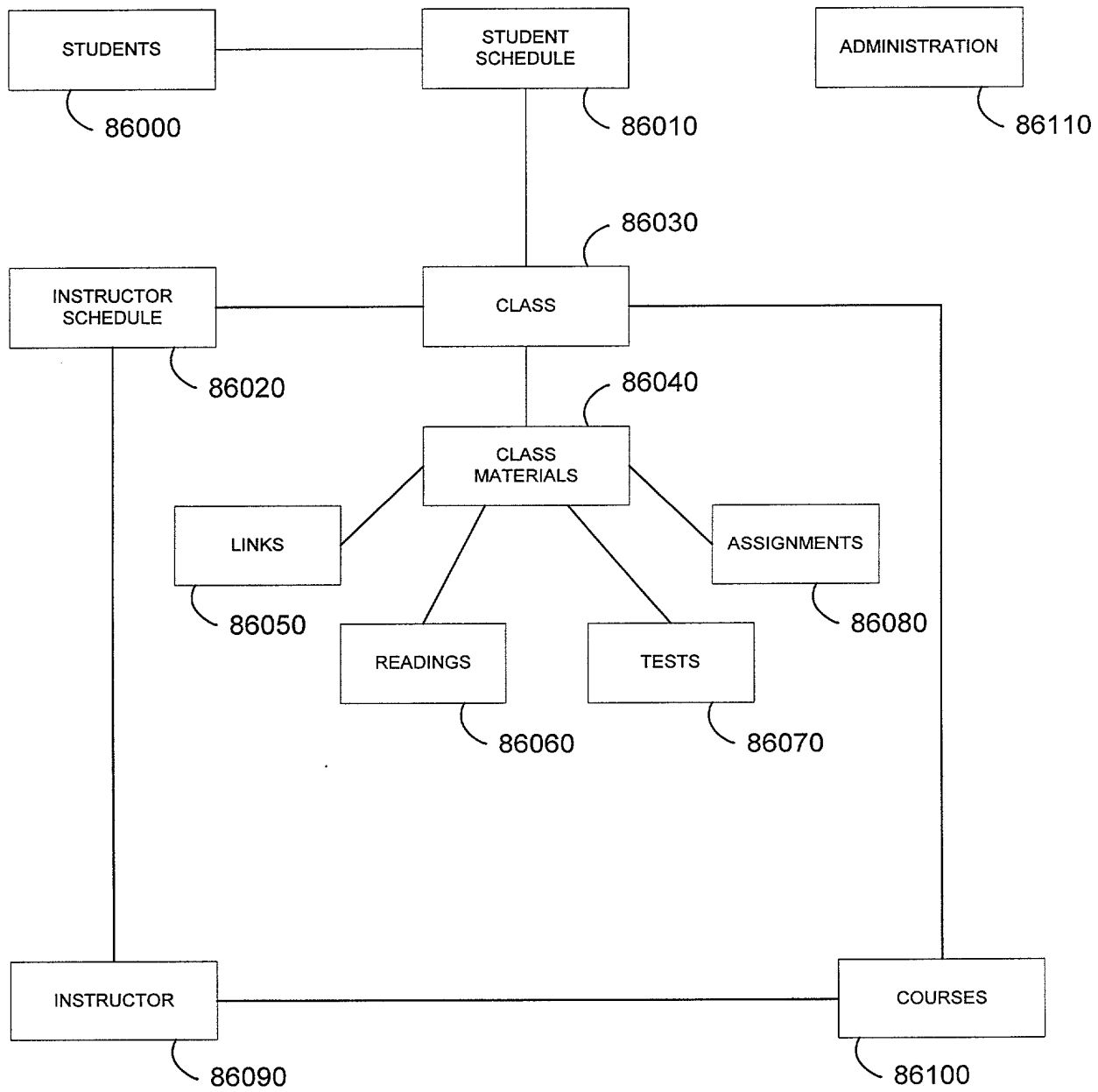


**Figure 83**

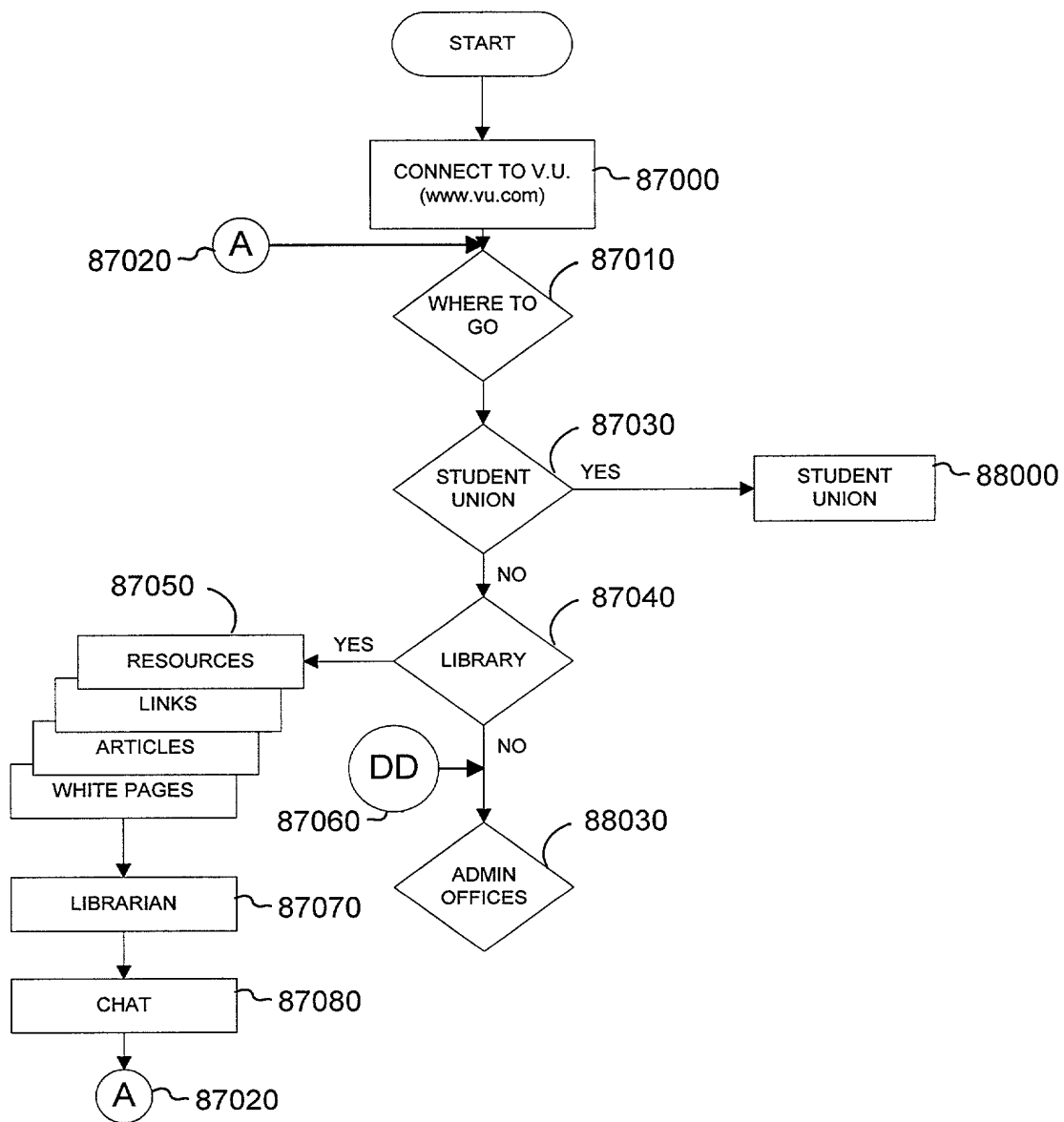


09934924 032201

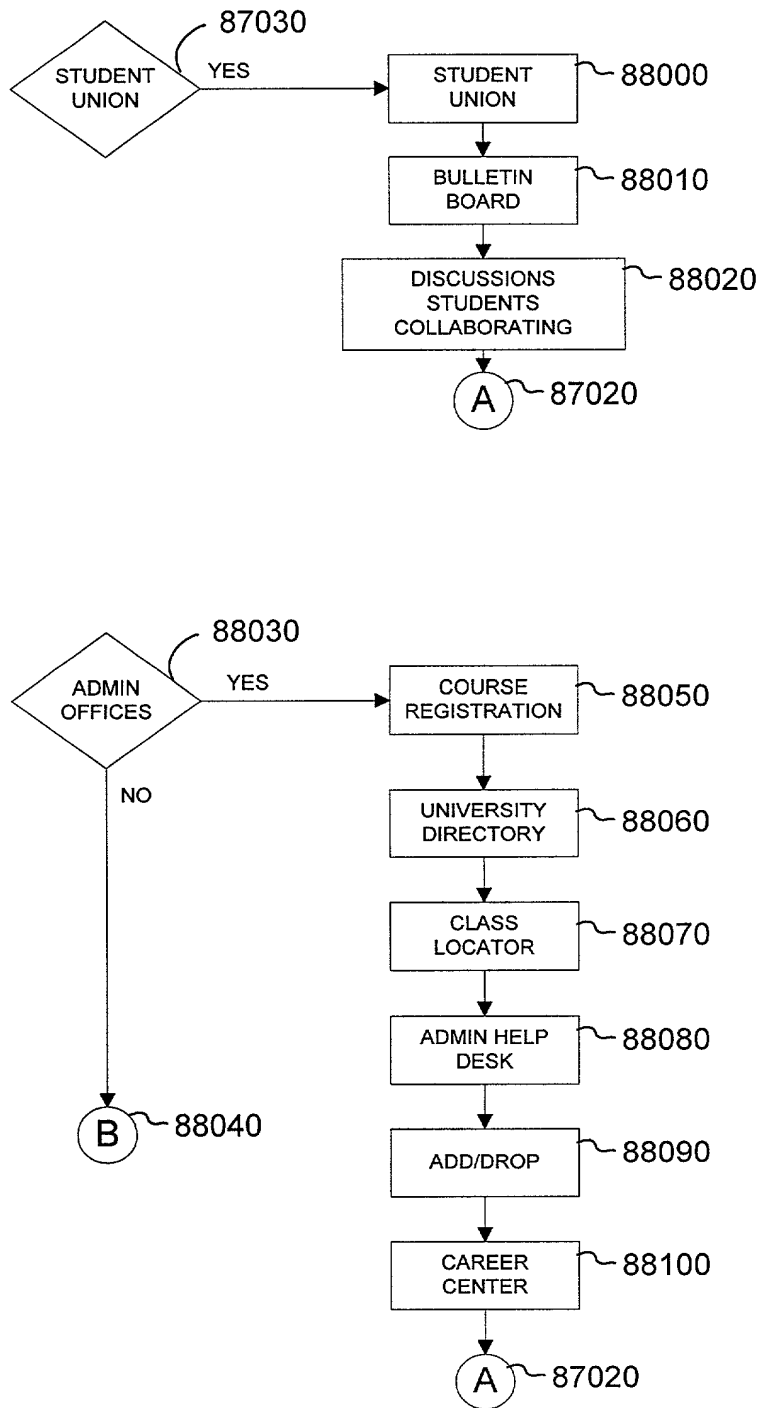




**FIGURE 86**



**FIGURE 87**



**FIGURE 88**

FIG. 89

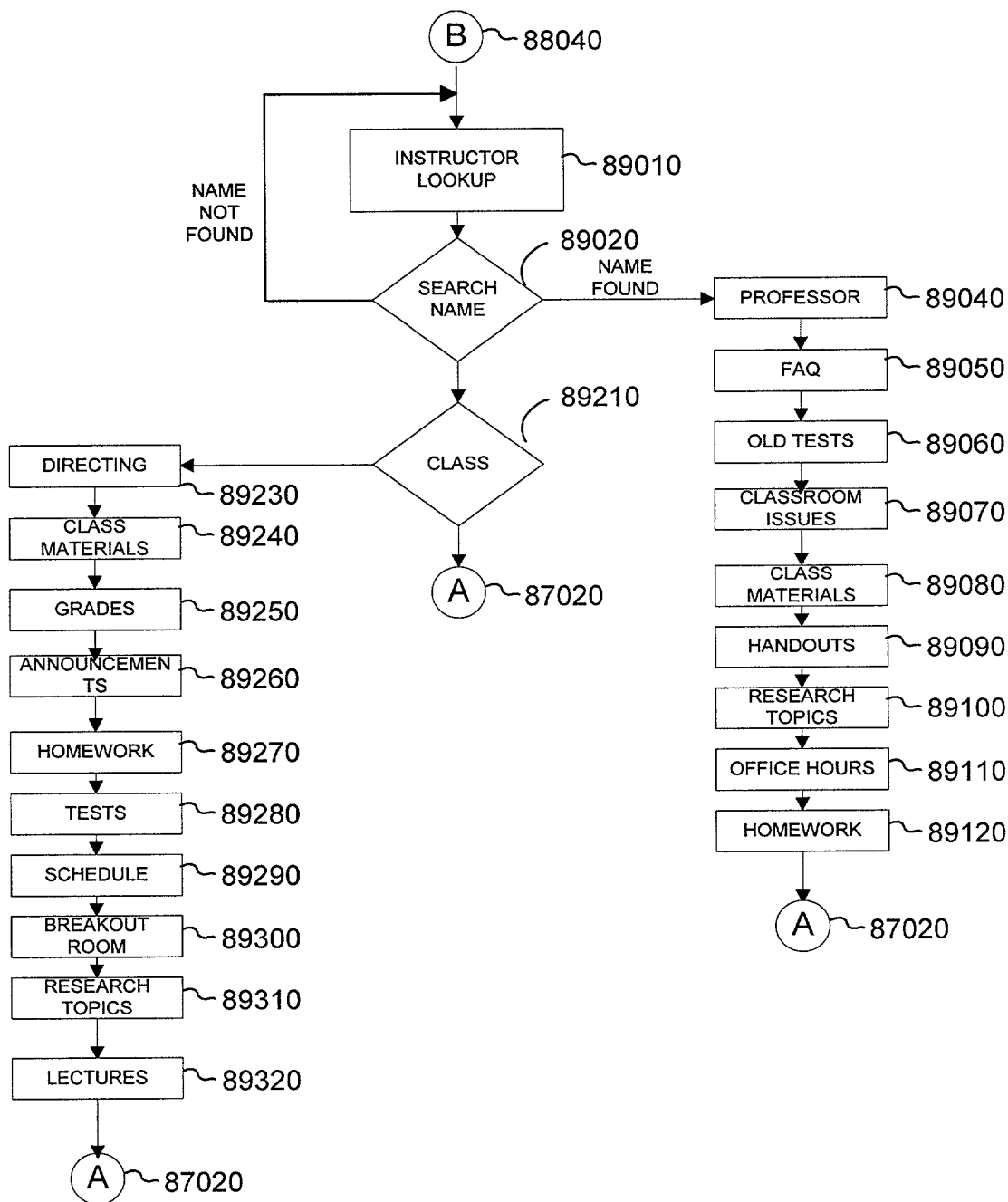
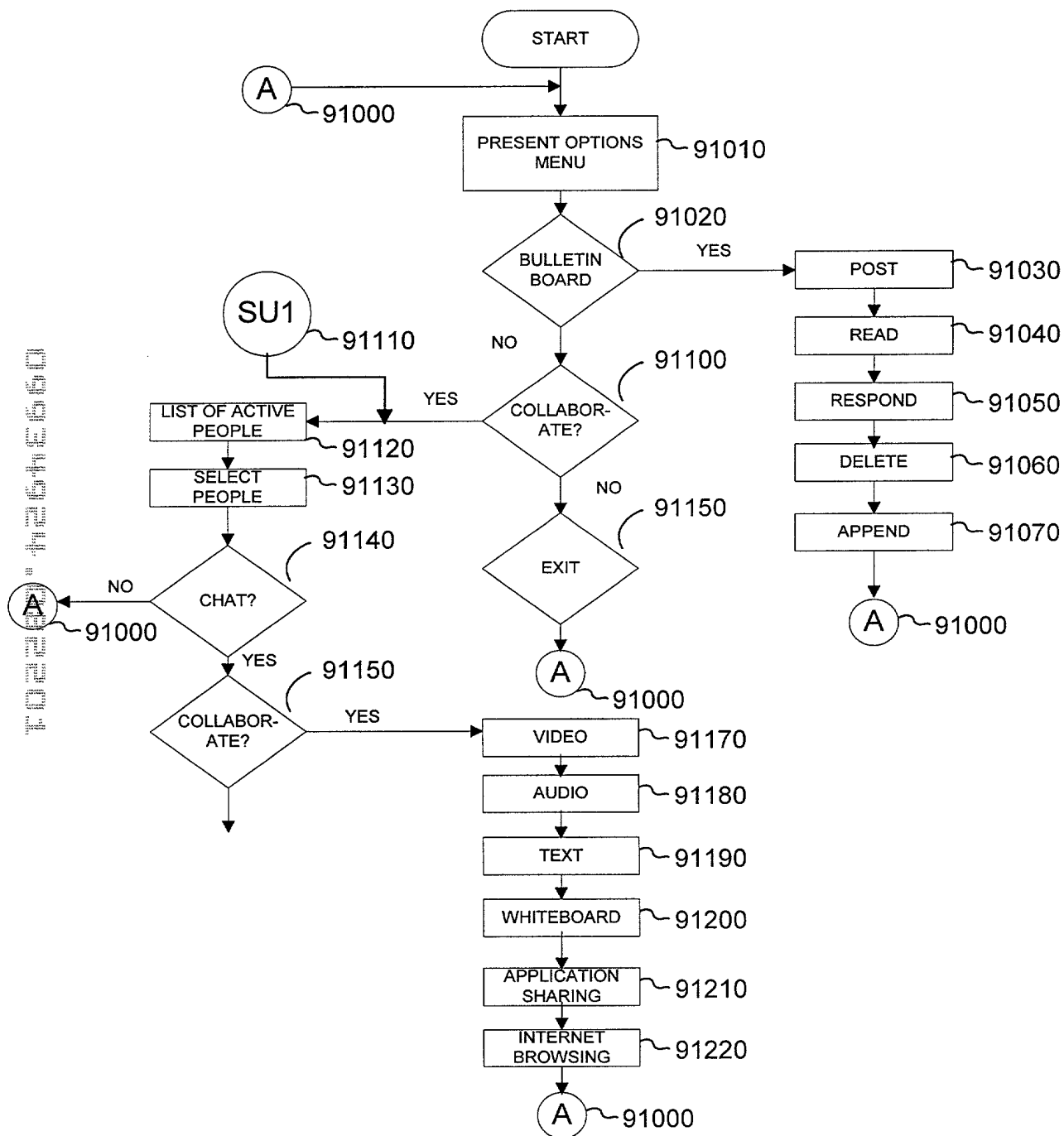


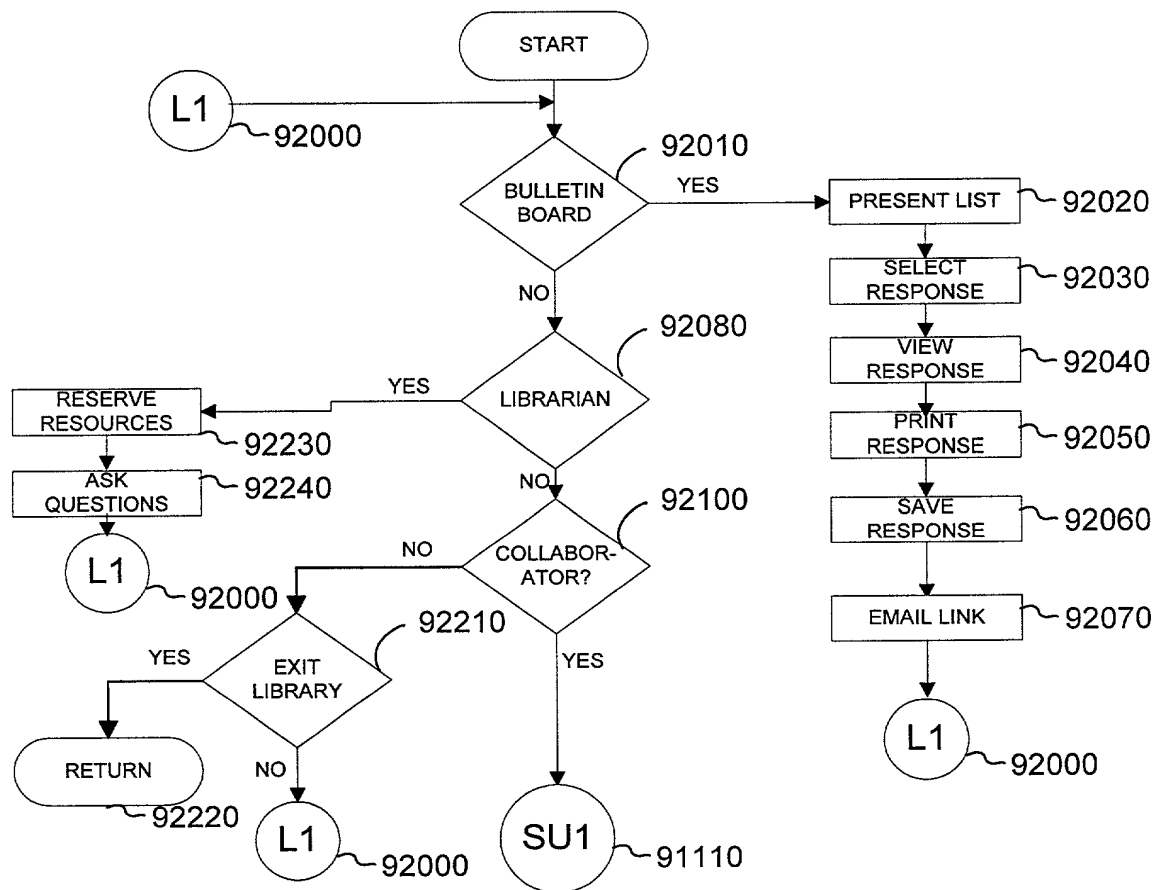
FIGURE 89



### FIGURE 90



**FIGURE 91**



**FIGURE 92**

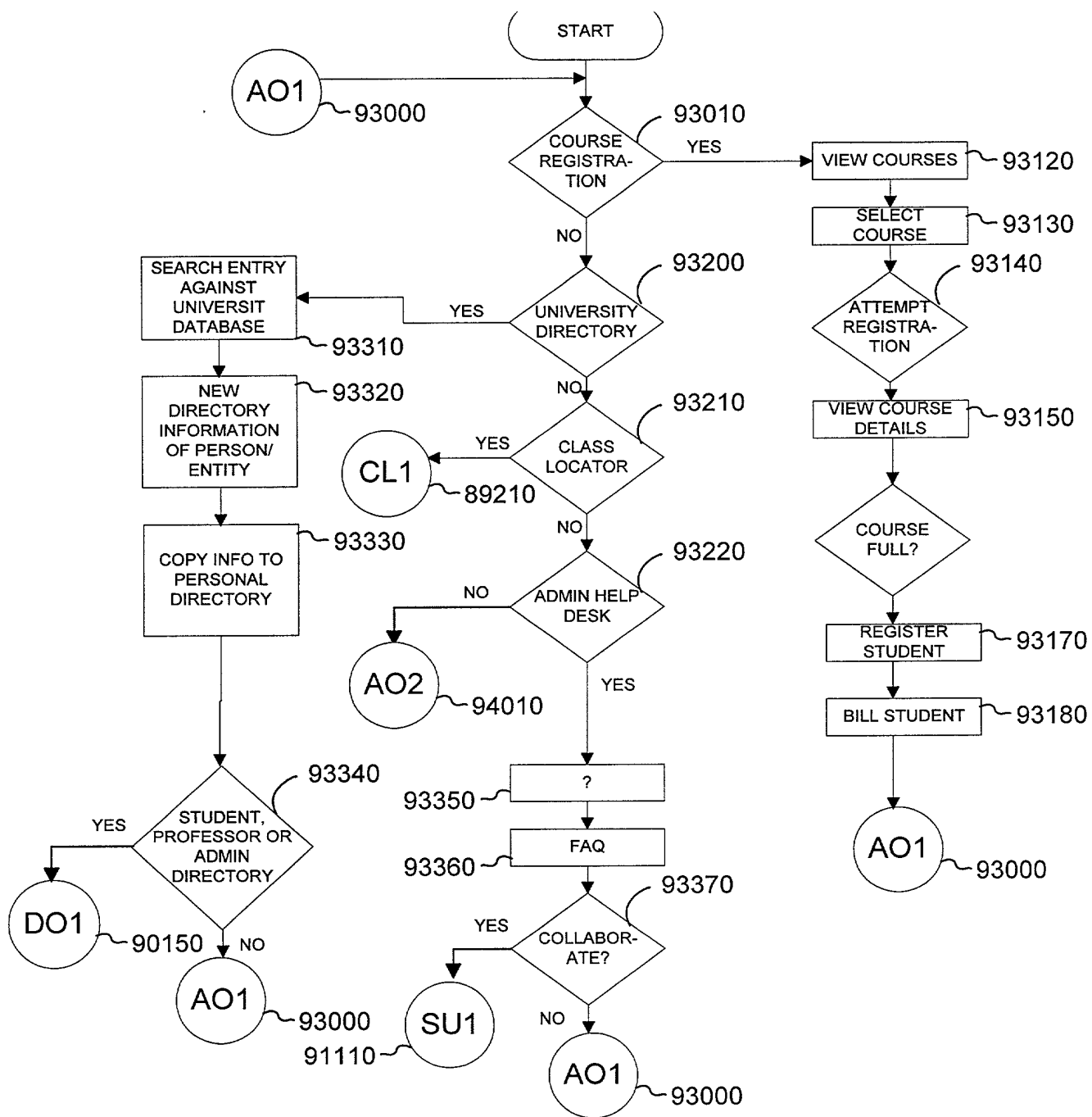
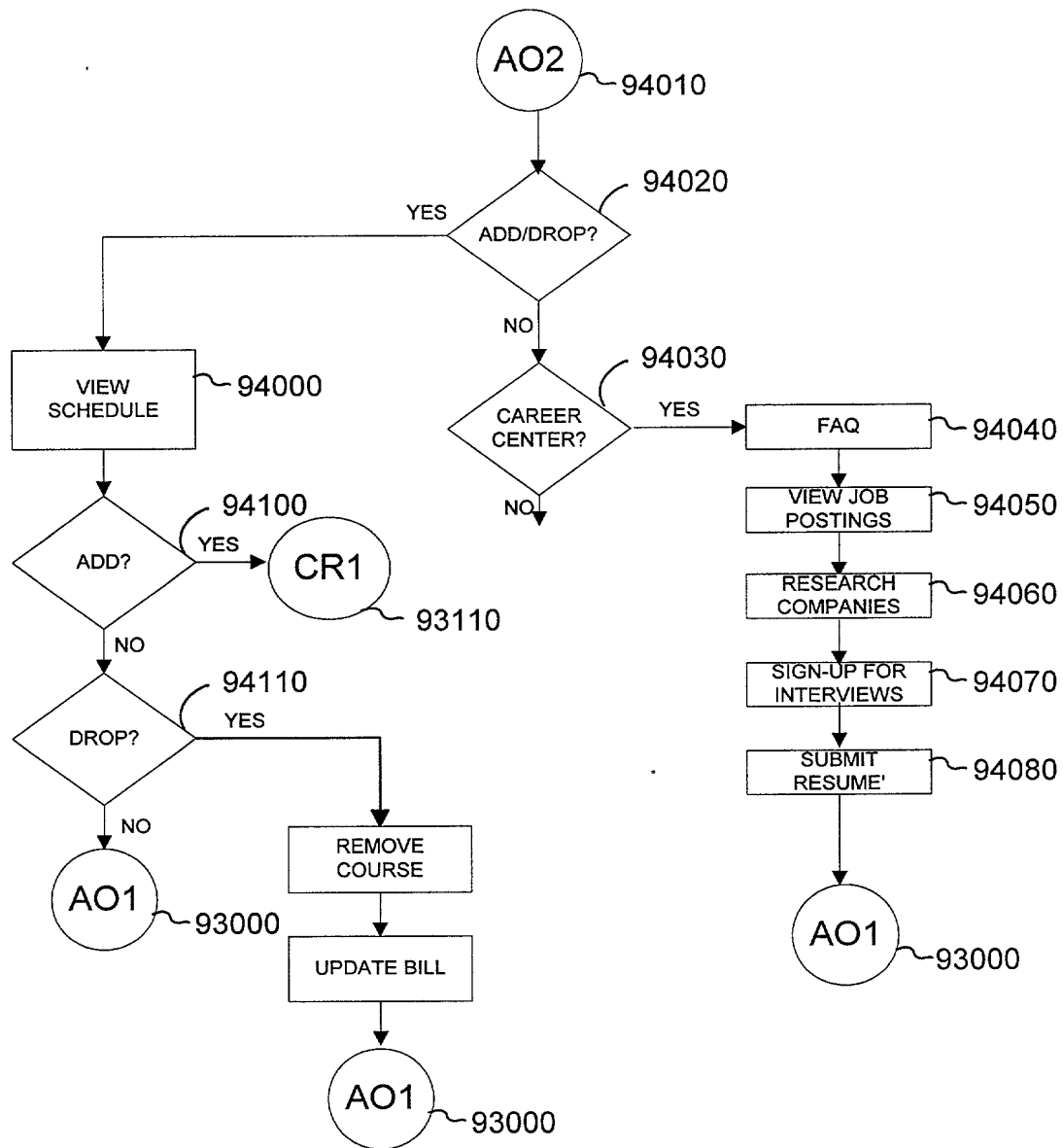
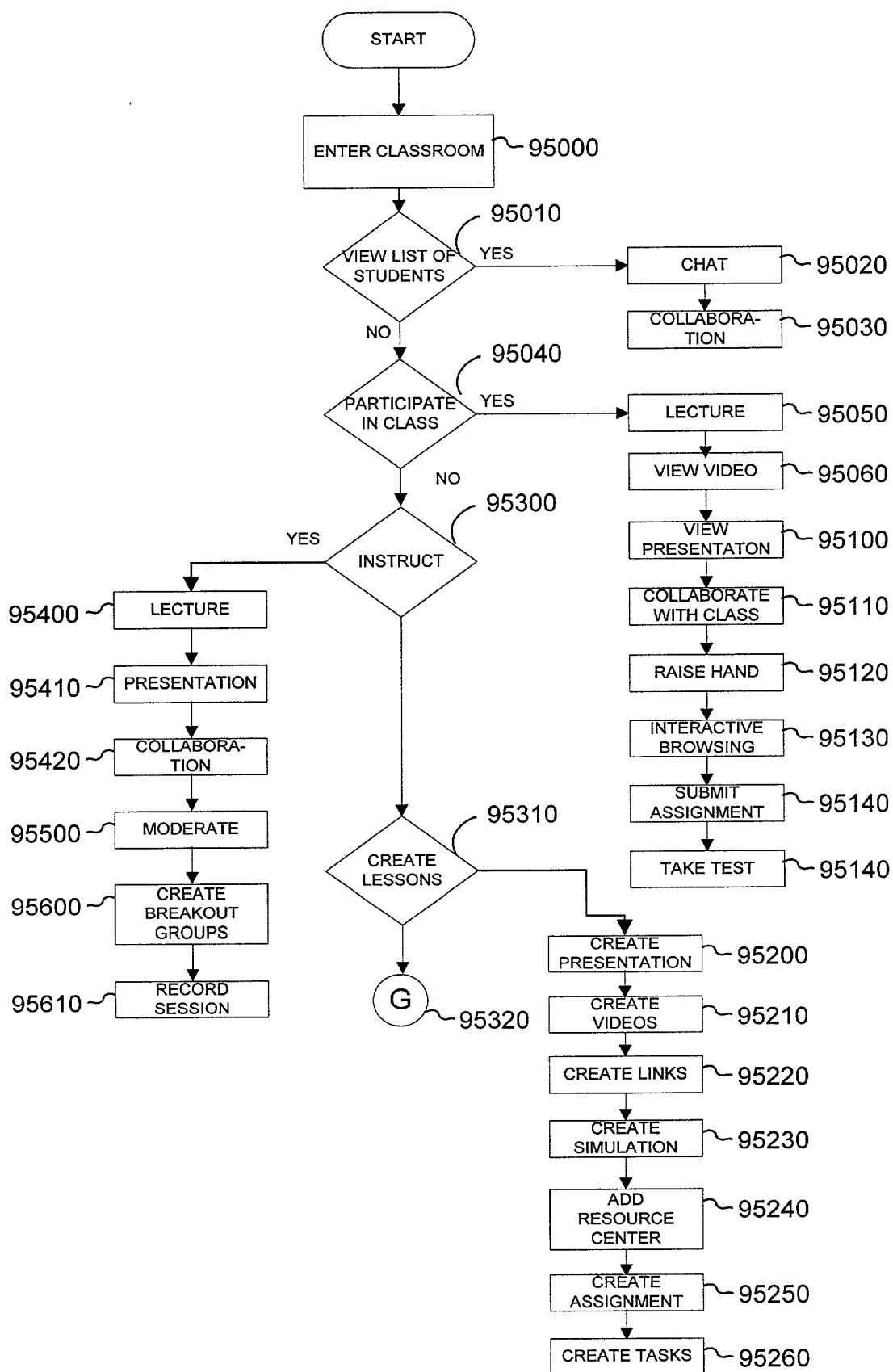


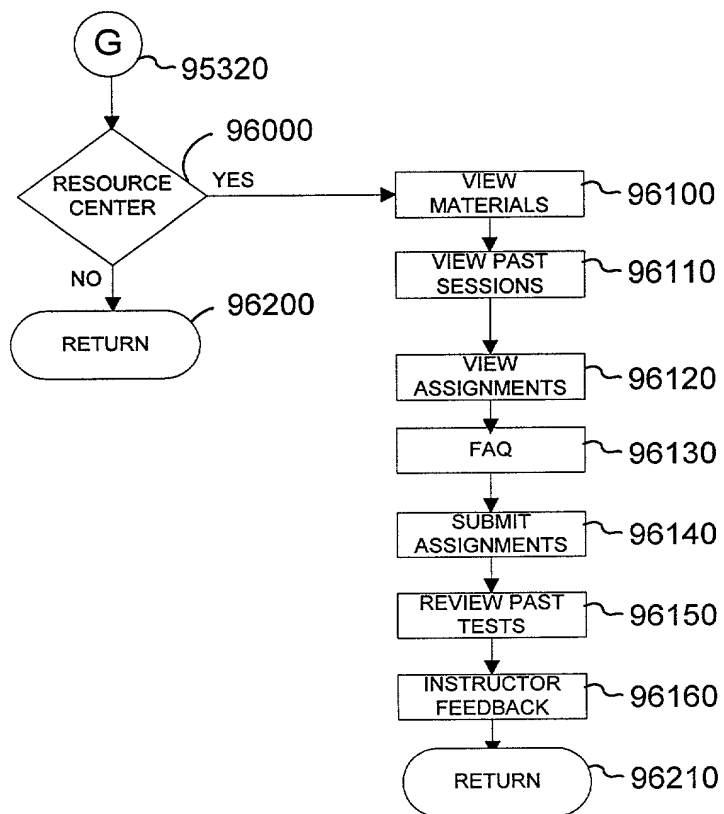
FIGURE 93



**FIGURE 94**



**FIGURE 95**



**FIGURE 96**





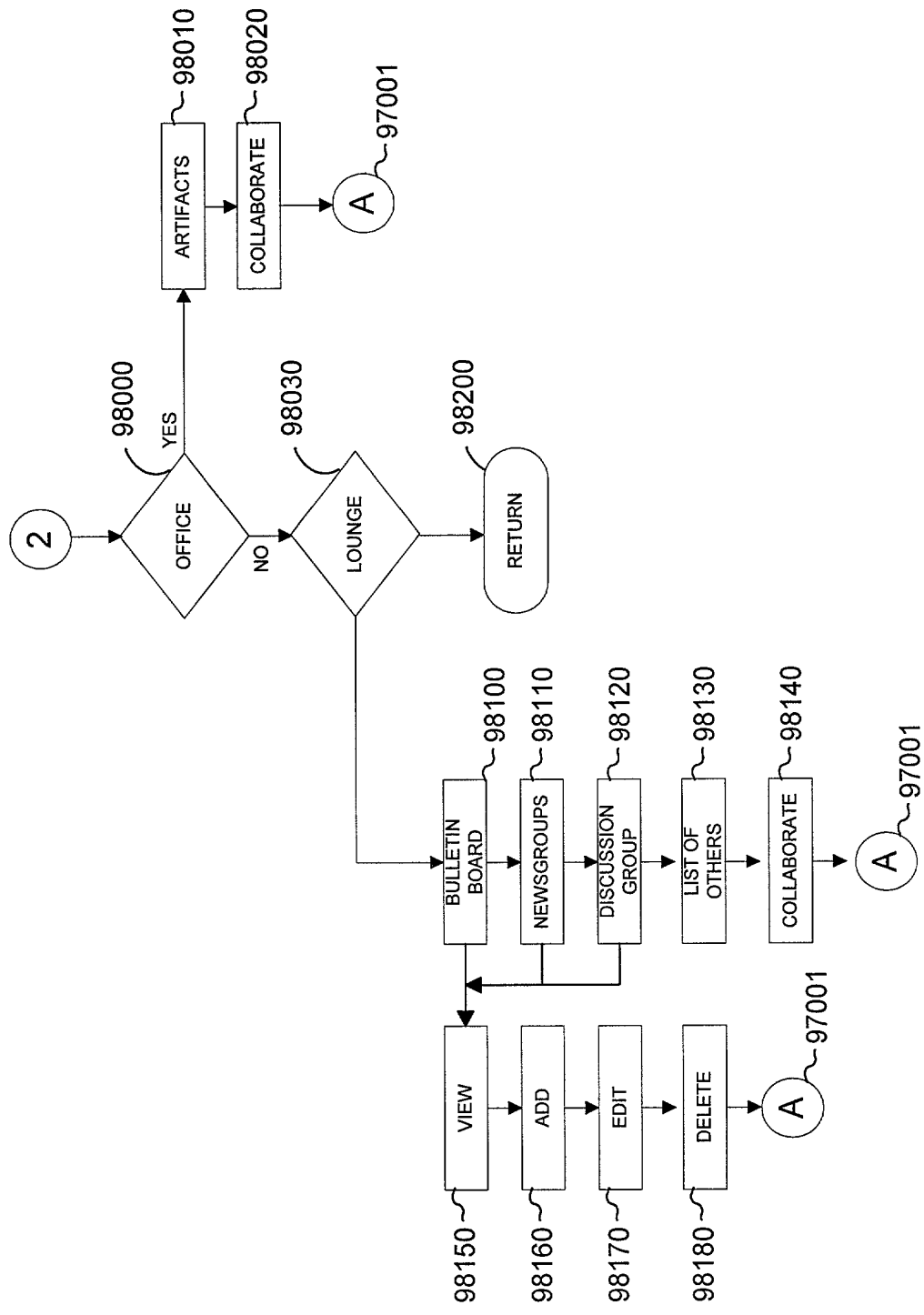


FIGURE 98

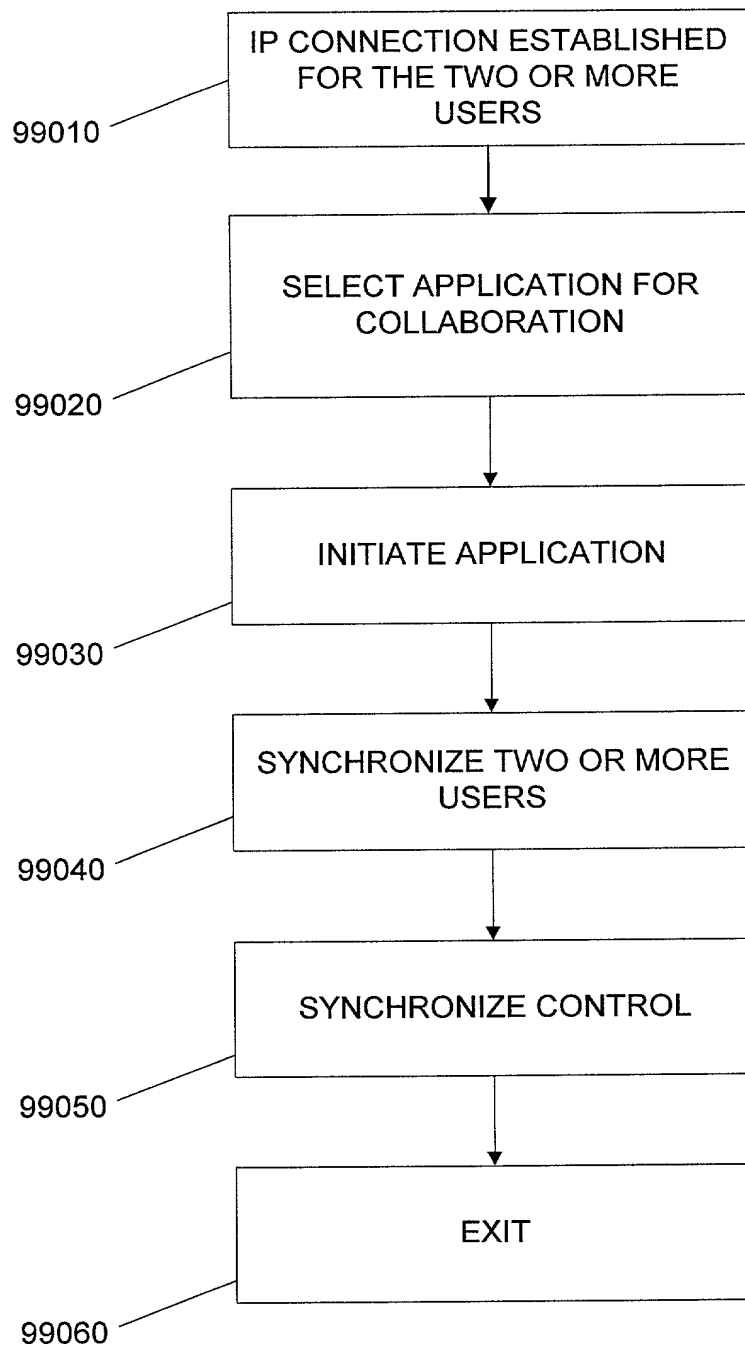


FIGURE 99